

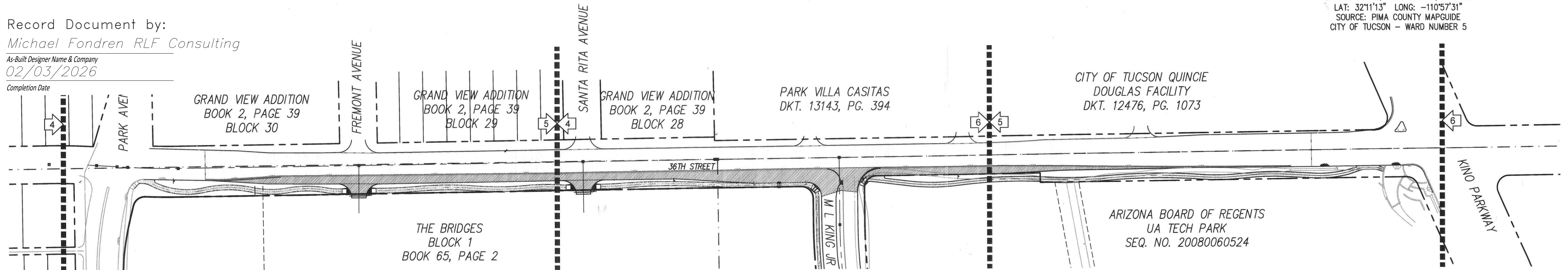
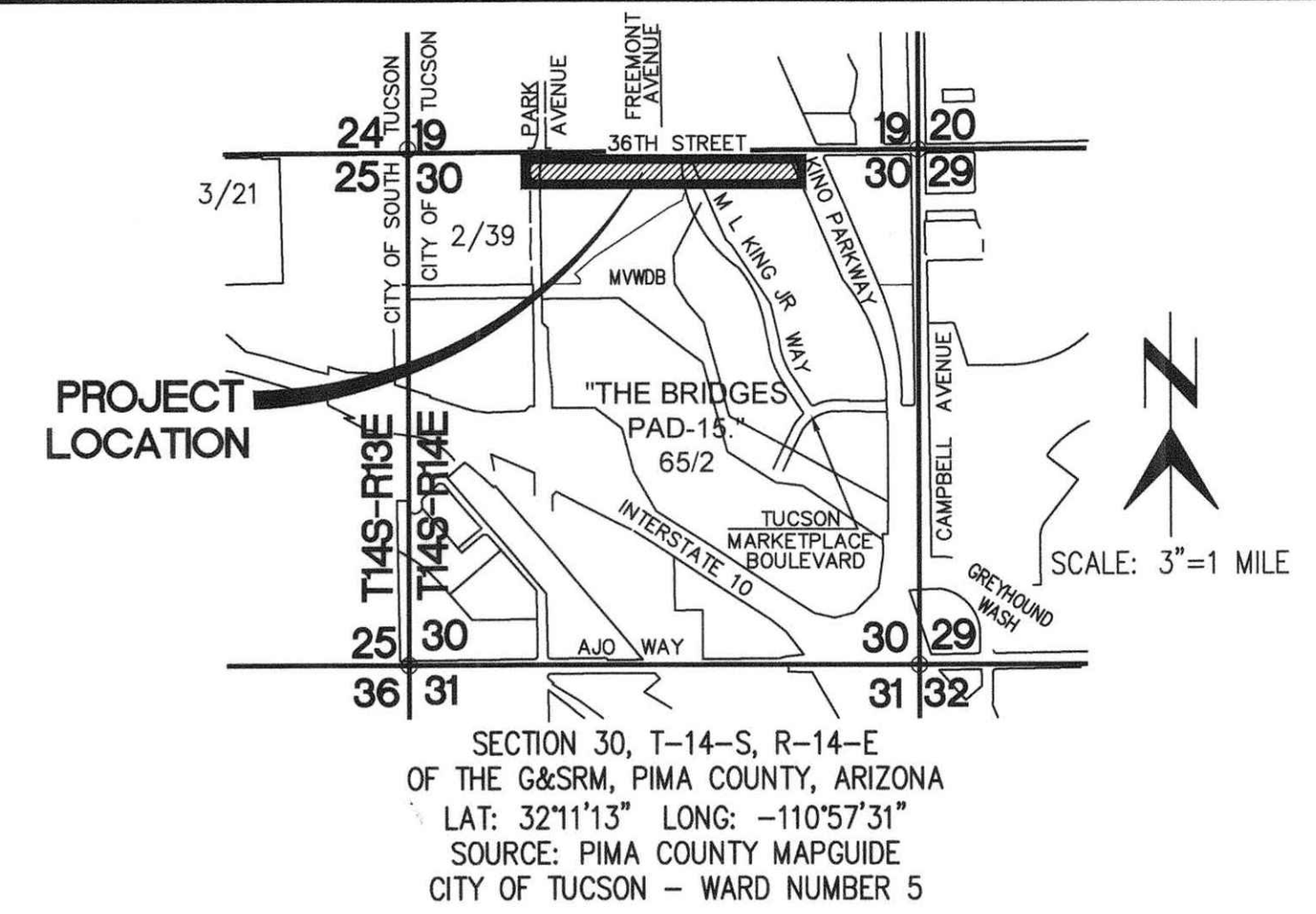
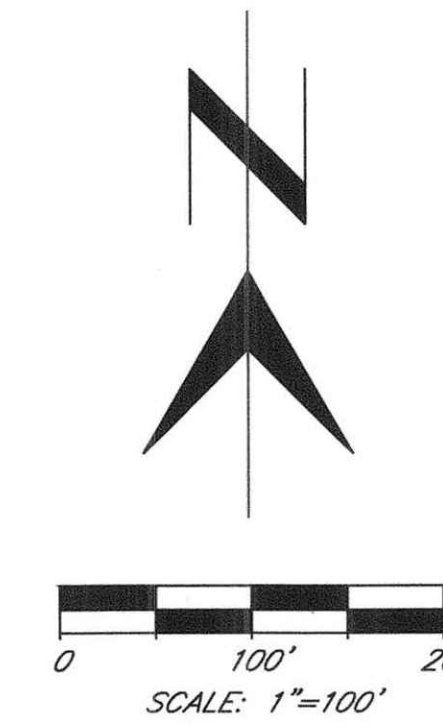
Constructed by:
 Borderland Construction
 Construction Company
 01/30/2020
 Completion Date

Red-Lines by:
 No Redlines
 Construction Administrator Name & Company

Record Document by:
 Michael Fondren RLF Consulting
 As-Built Designer Name & Company
 02/03/2026
 Completion Date

PUBLIC ROADWAY PLANS FOR 36th STREET WIDENING PIA PARK AVENUE TO KINO PARKWAY BOOK 5, PAGE 67 TUCSON, ARIZONA PLAN NO. I-2016-007

Record Document
 Dated: 02/03/2026



LEGEND

ABBREVIATION LIST

A.B.C.	AGGREGATE BASE COURSE
A.C.	ASPHALTIC CONCRETE
A.D.	ALGEBRAIC DIFFERENCE
ANG. PT	ANGLE POINT
BCR	BEGIN CURB RETURN
BK.	BOOK
BVC	BEGIN VERTICAL CURB
CA	COMMON AREA
DKT.	DOCKET
DTL	DETAIL
ECR	END CURB RETURN
ELEV	ELEVATION
EX./EXIST.	EXISTING
EVC	END VERTICAL CURB
G	GUTTER
GB	GRADE BREAK
IRR	IRRIGATION
K	RATE OF CURVATURE
L.S.E.	LANDSCAPE EASEMENT
MH	MANHOLE
No.	NUMBER
TC	TOP OF CURB
PC/COT	PIMA COUNTY - CITY OF TUCSON
PC	POINT OF CURVATURE
PG.	PAGE
PI	POINT OF INTERSECTION
PT	POINT OF TANGENCY
PVI	POINT OF VERTICAL INTERSECTION
RT	RIGHT
R/W	RIGHT-OF-WAY
STA	STATION
STD	STANDARD
S.W.E.	SIDEWALK EASEMENT
VC	VERTICAL CURVE

SHEET INDEX

EXISTING RIGHT-OF-WAY	
CONSTRUCTION CENTERLINE	
SECTION LINE	
EXISTING EASEMENT	
PROPOSED CURB & EDGE OF PAVEMENT	
PROPOSED ROAD PAVEMENT	
PROPOSED 10' PATH ASPHALT PAVEMENT	
PAVEMENT REMOVAL	
MILL & INLAY	
NEW LIGHT, LIGHT POLE & PULL BOX	
PERCENT GRADE	
NEW INDEX CONTOUR AND LABEL	
NEW INTERMEDIATE CONTOUR AND LABEL	
EX. INDEX CONTOUR AND LABEL	
EX. INTERMEDIATE CONTOUR	
EXISTING OVERHEAD UTILITIES	
EXISTING EDGE OF PAVEMENT	
EXISTING CURB	
EXISTING SURVEY MONUMENT	
EXISTING SEWER AND MANHOLE	
EXISTING WATERLINE, METER VALVE & FIRE HYDRANT	

THE BRIDGES OWNER/DEVELOPER

BOURN COMPANIES
 ATTN: MATT DICKEY
 20 E. CONGRESS STREET, SUITE 300
 TUCSON, ARIZONA 85701
 TEL (520) 323-1005
 mdickey@bourncompanies.com

BASIS OF BEARING:

THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE NATIONAL GEODETIC SURVEY (NGS)
 WEBSITE "WWW.NGS.NOAA.GOV", ON MAY 2006.
 PROJECTION: ARIZONA CENTRAL ZONE, NAD 83, (EPOCH 92)
 -DATUM: GRS-80
 UNITS: INTERNATIONAL FEET
 GEOID MODEL: GEOID 03
 -CONTROL POINT: X419
 PID: CZ1496
 LATITUDE: 32° 10' 55.93347" N
 LONGITUDE: 110° 56' 35.74365" W
 ELLIPSOID HEIGHT: 733.27 (M)
 DESCRIPTION: NGS VERTICAL CONTROL DISK ON A STAINLESS STEEL ROD MODIFIED TO GROUND AT (GRID) N: 432429.317, E: 998403.485, PIMA COUNTY DEPARTMENT OF TRANSPORTATION STATION ID #ET03, T14S, R14E, USING A SCALE FACTOR OF 1.000116995.
 HORIZONTAL ADJUSTMENT: N: (-)0.526, E: (-)0.570
 HORIZONTAL ROTATION: (-)00° 00' 21"

BASIS OF ELEVATION:

CITY OF TUCSON BENCHMARK 1014A (AN X CHISELED IN THE CONCRETE ON THE NORTHEAST CORNER OF THE CATCH BASIN AT THE SOUTHEAST CORNER OF 36TH STREET AND KINO BOULEVARD) FROM FIELD BOOK 1989-A-1, PAGE 71. PUBLISHED ELEVATIONS BEING 2476.25, CITY OF TUCSON DATUM (NAVD88).

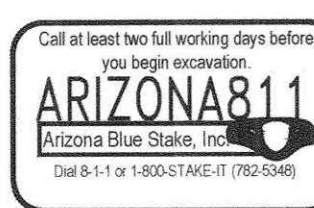
SHEET INDEX

1	SITE PLAN, LEGEND, ABBREVIATIONS
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7	PATHWAY HORIZONTAL CONTROL
8	STRIPING AND SIGNAGE NOTES AND DETAILS
9	STRIPING AND SIGNAGE PLAN
10-17	STREET LIGHTING IMPROVEMENTS (KITTLESON)
18-25	LANDSCAPE AND IRRIGATION (NORRIS DESIGN)



COVER SHEET
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

CITY OF TUCSON		36TH STREET PARK AVENUE TO KINO PARKWAY	
NO.	DATE	REVISION	BY
3	02/03/26	RECORD DOCUEMNT	RLF
DESIGN SECTION/PERMITS AND CODES	Signatory	Date	Approved
TRAFFIC ENGINEERING	<i>Shella Mann</i>	1/19	20
TRANSPORTATION PLANNING	N/A		
ENGINEERING LANDSCAPE ARCH	<i>Jerry D. Witham</i>	1/19	25
ENGINEERING ADMINISTRATOR	<i>Robert Kelly</i>	1/19	
DRWN. BY	JHW	20 18	DSGN. BY
			PWM
			CHKD. BY
			PWM
PLAN NO.			I-2016-007



T18PI00033(UPA-2019-052)

GENERAL PAVING NOTES:

- ALL CONSTRUCTION ACTIVITY AND TEST METHODS SHALL BE IN CONFORMANCE WITH PIMA ASSOCIATION OF GOVERNMENT (PAG) 2015 STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI) AND STANDARD DETAILS (SD).
- AGGREGATE BASE COURSE SHALL CONFORM TO PAG SSPI SECTION 303.
- ASPHALTIC CONCRETE SHALL CONFORM TO PAG SSPI SECTION 406. MIX TO TDOT MIX No. 2 SPECIFICATIONS FOR THE ASPHALTIC CONCRETE.
- CONCRETE SHALL CONFORM WITH THE PAG SSPI SECTION 1006, CLASS S 3000 PSI COMPRESSIVE STRENGTH AT 28 DAYS, UNLESS OTHERWISE SPECIFIED.
- PAVEMENT SECTION DESIGN DOCUMENTATION ARE IN ACCORDANCE WITH THE APPROVED GEOTECHNICAL REPORT BY PATTISON, PROJECT NO. 18-146 DATED OCTOBER 09, 2018.
- ALL DRAINAGE INFRASTRUCTURES INDICATED ON THE PLANS ARE IN ACCORDANCE WITH THE APPROVED DRAINAGE REPORT APPROVED BY CITY OF TUCSON TRANSPORTATION DEPARTMENT.
- ALL CHANGES TO THESE PLANS MUST BE CLEARED CITY OF TUCSON TRANSPORTATION DEPARTMENT, PRIOR TO CONSTRUCTION.
- THE CITY SHALL NOT BE LIABLE FOR ANY ERRORS AND/OR OMISSIONS ON THESE PLANS. ITEMS NOT MEETING CITY STANDARDS SHALL BE REPAIRED/REPLACED BY THE DEVELOPER/CONTRACTOR AT NO COST TO THE CITY.
- THE ENGINEER OF RECORD SHALL SUBMIT TO CITY OF TUCSON TRANSPORTATION DEPARTMENT FOR REVIEW ANY CHANGES TO THE APPROVED PLANS PRIOR TO CONSTRUCTION. ADDITIONALLY, THE ENGINEER OF RECORD SHALL CERTIFY ALL CHANGES MEETING ALL APPLICABLE STANDARDS, CODES, AND ORDINANCES.
- AN EXCAVATION PERMIT SHALL BE OBTAINED FROM THE CITY OF TUCSON TRANSPORTATION DEPARTMENT PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- A PRE-CONSTRUCTION FIELD MEETING SHALL BE CONDUCTED WITH THE CITY OF TUCSON TRANSPORTATION INSPECTOR PRIOR TO ANY WORK WITHIN THE PUBLIC RIGHT-OF-WAY.
- THE EXTENT AND TYPE OF SURFACE TREATMENTS/REPAIRS INDICATED ON THE PLANS MAY NOT BE ALL INCLUSIVE OF THE WORK THAT IS NEEDED. ADDITIONAL REPAIRS, PAVING, OR REPLACEMENT MAY BE NEEDED DEPENDING ON FIELD CONDITIONS.
- THE CONTRACTOR SHALL CONTACT AND/OR COORDINATE ANY WORK WITH COT STREETS AND TRAFFIC MAINTENANCE DIVISION, MEDIAN ISLAND MAINTENANCE SECTION (791-5279, EXT. 234) PRIOR TO DISTURBING ANY COT/DOT LANDSCAPING OR IRRIGATION SYSTEMS. ADDITIONALLY, THE CONTRACTOR SHALL REPAIR OR REPLACE ANY DISTURBED COT/DOT LANDSCAPING OR IRRIGATION SYSTEMS, INCLUDING REPLACEMENT OF ANY DAMAGED PLANTS. CONTACT GARY WITWER AT 400-2645 FOR INSPECTION AND PERMITS FOR LANDSCAPING. FOR IRRIGATION REMOVAL/REPLACEMENT CONTACT PAUL ROSENBOOM AT 419-7064.
- THE PIA INSPECTOR SHALL VERIFY THAT THE "SAW-CUT" LINE IS LOCATED WITHIN COMPETENT PAVEMENT. ADJUSTMENTS TO THE PLAN SHALL BE DOCUMENTED AND AS-BUILT; A ONE FOOT MINIMUM SHALL BE PROVIDED.
- CONTRACTOR SHALL OBTAIN ALL OTHER PERMITS AS REQUIRED BY LOCAL, STATE AND FEDERAL REQUIREMENTS.
- SIGNAGE AND STRIPING SHALL BE COORDINATED WITH TRAFFIC ENGINEERING AND INSTALLED AT NO EXPENSE TO THE PUBLIC. CALL TRAFFIC ENGINEERING AT 791-4259 PRIOR TO INSTALLATION OR REMOVAL OF STRIPING AND SIGNAGE.
- A COPY OF THIS APPROVED PLAN SHALL BE KEPT IN AN EASILY ACCESSIBLE LOCATION ON THE SITE AT ALL TIMES DURING CONSTRUCTION.
- UPON COMMENCEMENT OF WORK, TRAFFIC CONTROL DEVICES SHALL BE POSTED AND MAINTAINED BY THE CONTRACTOR UNTIL SUCH TIME AS THE WORK IS COMPLETED. ALL WARNING SIGNS, BARRICADES, ETC., SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ADOPTED BY THE STATE OF ARIZONA PURSUANT TO A.R.S. 28-650. THE CONTRACTOR MUST SUBMIT A BARRICADE PLAN TO CITY OF TUCSON TRAFFIC ENGINEERING. CALL 791-4259 48 HOURS PRIOR TO PLACING OR REMOVING ANY SAID TRAFFIC CONTROL DEVICES.
- CONTRACTOR SHALL CALL BLUE STAKE AS MANDATED BY THE ARIZONA REVISED STATUTES AT 1-800-782-5348 BEFORE ANY CONSTRUCTION BEGINS TO VERIFY LOCATION OF EXISTING UTILITIES SHOWN OR NOT SHOWN. EXISTING UTILITY LOCATIONS SHOWN HEREON ARE ONLY APPROXIMATE. IT IS THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES WITHOUT DAMAGING SAME. DAMAGED UTILITIES SHALL BE REPAIRED AT NO EXPENSE TO THE CITY.
- THE CONTRACTOR SHALL CONTACT AND/OR COORDINATE ANY WORK WITH COT STREETS & TRAFFIC MAINTENANCE DIVISION, ELECTRIC SHOP AT 791-2154 PRIOR TO RELOCATION OR PLACEMENT OF ANY STREET LIGHTING OR TRAFFIC FACILITIES. CONTACT ERNIE ENCINAS AT 791-3154 FOR STREET LIGHTING/TRAFFIC SIGNAL PLAN REVIEW.
- THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE OCCUPATIONAL SAFETY AND HEALTH ADMINISTRATION REGULATIONS.
- CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO FINISH GRADE. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE OTHER ITEMS OF WORK, EXCEPT WHEN THE BIDDING SCHEDULE CONTAINS SPECIFIC ITEMS ON A UNIT BASIS.

GENERAL PAVING NOTES (CONT.):

- IF UNANTICIPATED CONDITIONS ARE ENCOUNTERED DURING THE COURSE OF CONSTRUCTION AND ARE BEYOND THE SCOPE OF THE DESIGN, THE ENGINEER SHALL SUBMIT THE NECESSARY REVISED OR SUPPLEMENTAL IMPROVEMENT PLANS FOR REVIEW AND APPROVAL BY CITY OF TUCSON TRANSPORTATION DEPARTMENT.
- THE CONTRACTOR SHALL PRESERVE ALL STAKES SET FOR THE LINES, LEVELS OR MEASUREMENTS OF THE WORK IN THEIR PROPER PLACES UNTIL AUTHORIZED TO REMOVE THEM BY THE ENGINEER. ANY EXPENSES INCURRED IN REPLACING ANY STAKES WHICH THE CONTRACTOR OR HIS SUBORDINATES MAY HAVE FAILED TO PRESERVE SHALL BE CHARGED TO THE CONTRACTOR.
- THE CONTRACTOR SHALL GIVE FORTY-EIGHT (48) HOURS NOTICE WHEN HE SHALL REQUIRE THE SERVICES OF THE ENGINEER, SURVEYOR, OR ANY OTHER PERSON PROPERLY AUTHORIZED FOR SUCH PURPOSE FOR LAYING OUT ANY PORTION OF THE WORK. HE SHALL ALSO DIG ALL STAKE HOLES NECESSARY TO GIVE LINE AND LEVELS AND SHALL PROVIDE ASSISTANCE CALLED FOR BY THE ENGINEER OR HIS ASSISTANTS UPON ANY PART OF THE WORK WHENEVER SO REQUESTED.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO FURNISH, HAUL AND APPLY ALL WATER REQUIRED FOR COMPACTION AND FOR THE CONTROL OF DUST FROM CONSTRUCTION ACTIVITY.
- IF CONSTRUCTION WATER IS NOT AVAILABLE IN THE AREA, THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING CONSTRUCTION WATER.
- A QUALIFIED REGISTERED ENGINEER MUST CERTIFY THAT THIS PROJECT WAS CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS PRIOR TO REQUEST FOR FINAL INSPECTION/CERTIFICATE OF OCCUPANCY OR THE RELEASE OF ASSURANCES.
- IN THE EVENT OF ANY DISPUTE BETWEEN THESE PLANS AND THE STANDARD SPECIFICATION, THE STANDARD SPECIFICATION SHALL PREVAIL.

ENGINEERS NOTES:

- THE PIMA ASSOCIATION OF GOVERNMENT (PAG) 2015 STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI) AND STANDARD DETAILS (SD) ARE INCORPORATED INTO THIS PLAN IN THEIR ENTIRETY.
- ALL WORK REQUIRED TO COMPLETE THE CONSTRUCTION COVERED BY THIS PLAN SHALL BE IN ACCORDANCE WITH THE PIMA ASSOCIATION OF GOVERNMENT (PAG) 2015 STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (SSPI) AND STANDARD DETAILS (SD) SPECIFICATIONS AND DETAILS AND CURRENT SUPPLEMENTS THEREOF PER THE CITY UNLESS SPECIFIED OTHERWISE IN THESE PLANS OR ELSEWHERE IN THE CONTRACT DOCUMENTS. CONTRACTORS SHALL FAMILIARIZE THEMSELVES WITH ALL REQUIRED STANDARD SPECIFICATIONS, DETAILS AND SUPPLEMENTS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL METHODS, SEQUENCING AND SAFETY CONCERNS ASSOCIATED WITH THIS PROJECT DURING CONSTRUCTION, UNLESS SPECIFICALLY ADDRESSED OTHERWISE IN THIS PLAN OR ELSEWHERE IN THE CONTRACT.
- THE CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE, AND FEDERAL LAWS AND REGULATIONS APPLICABLE TO THE CONSTRUCTION COVERED BY THIS PLAN.
- THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING AND COMPLYING WITH ALL PERMITS REQUIRED TO COMPLETE ALL WORK COVERED BY THIS PLAN.
- THE QUANTITIES AND SITE CONDITIONS DEPICTED IN THESE PLANS ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE SUBJECT TO ERROR AND OMISSION. CONTRACTORS SHALL SATISFY THEMSELVES AS TO ACTUAL QUANTITIES AND SITE CONDITIONS PRIOR TO BIDDING THE WORK FOR THE CONSTRUCTION COVERED BY THIS PLAN.
- A REASONABLE EFFORT HAS BEEN MADE TO SHOW THE LOCATIONS OF EXISTING UNDERGROUND FACILITIES AND UTILITIES IN THE CONSTRUCTION AREA. THE CONTRACTOR IS RESPONSIBLE FOR ANY DAMAGE TO UTILITIES AND/OR FACILITIES CAUSED DURING THEIR CONSTRUCTION OPERATIONS. THE CONTRACTOR SHALL CALL 48 HOURS IN ADVANCE FOR BLUE STAKE (1-800-STAKE-IT) PRIOR TO ANY EXCAVATION.
- THE CONTRACTOR IS RESPONSIBLE FOR ALL COORDINATION OF CONSTRUCTION AFFECTING UTILITIES AND THE COORDINATION OF ANY NECESSARY UTILITY RELOCATION WORK.
- ALL PAVING, GRADING, EXCAVATION, TRENCHING, PIPE BEDDING, CUT FILL AND BACKFILL SHALL COMPLY WITH THE RECOMMENDATIONS SET FORTH IN THE SOILS (GEOTECHNICAL) REPORT FOR THIS PROJECT IN ADDITION TO THE REFERENCED REQUIRED SPECIFICATIONS AND DETAILS. BE AWARE THAT CERTAIN UTILITIES REQUIRE PROPER ATTENTION AND CAREFUL PLANNING DURING SITE CONSTRUCTION. PLEASE NOTE THAT UTILITIES ON THESE PLANS MAY NOT EXHIBIT THE FULL PROTECTIVE COVER REQUIRED DURING THE SUBGRADE PREPARATION PHASE OF THE CONSTRUCTION. IN SUCH INSTANCES, THE CONTRACTOR SHALL PROVIDE ADDITIONAL PROTECTION (SUCH AS RAMPING) OR INCREASED PIPE STRENGTH TO PROVIDE THE NECESSARY PROTECTION REQUIRED TO PREVENT DAMAGE DURING THE CONSTRUCTION OF THIS PROJECT. THE CONTRACTOR SHALL HOLD THE ENGINEER HARMLESS IN ALL CASES FOR DAMAGES TO UTILITIES WHERE INADEQUATE PROTECTIVE MEASURES OCCUR.
- THE CONTRACTOR IS TO VERIFY THE LOCATION AND THE ELEVATIONS OF ALL EXISTING UTILITIES AT POINTS OF TIE-IN PRIOR TO COMMENCING ANY NEW CONSTRUCTION. SHOULD ANY LOCATION OR ELEVATION DIFFER FROM THAT SHOWN ON THESE PLANS, THE CONTRACTOR SHALL CONTACT THE OWNER'S AGENT.
- COORDINATION BETWEEN ALL PARTIES IS AN ESSENTIAL PART OF CONTRACT.
- CONTRACTOR IS RESPONSIBLE FOR PROJECT AND SITE CONDITIONS, AND TO WORK WITH WEATHER CONDITIONS AS THE PROJECT SITE MAY BE LOCATED IN A FLOOD PRONE AREA AND SUBJECT TO FLOODING AND ITS HAZARDS.

ENGINEERS NOTES (CONT.):

- THE CONTRACTOR IS TO VERIFY THE LOCATION, ELEVATION, CONDITION, AND PAVEMENT CROSS-SLOPE OF ALL EXISTING SURFACES AT POINTS OF TIE-IN AND MATCHING, PRIOR TO COMMENCEMENT OF GRADING, PAVING, CURB AND GUTTER, OR OTHER SURFACE CONSTRUCTION. SHOULD EXISTING LOCATIONS, ELEVATIONS, CONDITION, OR PAVEMENT CROSS-SLOPE DIFFER FROM THAT SHOWN ON THESE PLANS, RESULTING IN THE DESIGN INTENT REFLECTED ON THESE PLANS NOT ABLE TO BE CONSTRUCTED, THE CONTRACTOR SHALL NOTIFY THE OWNER'S AGENT IMMEDIATELY FOR DIRECTION ON HOW TO PROCEED PRIOR TO COMMENCEMENT OF CONSTRUCTION. THE CONTRACTOR ACCEPTS RESPONSIBILITY FOR ALL COSTS ASSOCIATED WITH CORRECTIVE ACTION IF THESE PROCEDURES ARE NOT FOLLOWED.
- THIS PROJECT REQUIRES A REGULAR ONGOING MAINTENANCE PROGRAM FOR THE DESIGNED DRAINAGE SYSTEM(S) TO PRESERVE THE DESIGN INTEGRITY AND THE ABILITY TO PERFORM ITS OPERATIONAL INTENT. FAILURE TO PROVIDE MAINTENANCE WILL JEOPARDIZE THE DRAINAGE SYSTEM(S) PERFORMANCE AND MAY LEAD TO IT'S INABILITY TO PERFORM PROPERLY AND/OR CAUSE DAMAGE ELSEWHERE IN THE PROJECT.
- THE WORK PRODUCT PRESENTED IS BELIEVED TO BE COMPLIANT WITH THE INTENT OF THE CURRENT AMERICANS DISABILITIES ACT (ADA) REQUIREMENTS AS INTERPRETED BY THE REVIEWING AGENCY(S). IF CONSTRUCTION OF THE PROJECT IS DELAYED, THIS WORK PRODUCT SHOULD BE UPDATED TO ACCOUNT FOR ANY RELEVANT ADA UPDATES BEFORE CONSTRUCTION BEGINS.

GENERAL SEWER NOTES FOR UPC-2019-052:

- ALL DESIGN STANDARDS, MATERIALS AND WORKMANSHIP FOR PUBLIC SANITARY SEWERS SHALL BE IN ACCORDANCE WITH THE PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT (PCRWRD) ENGINEERING DESIGN STANDARDS 2016 (EDS 2016) AND THE STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION 2016 (SSDC 2016). SAID DOCUMENTS ARE AVAILABLE THROUGH THE PCRWRD WEBSITE (www.pima.gov/wastewaterreclamation).
- THE CONTRACTOR SHALL CONTACT "ARIZONA 811" (DIAL 811 OR 1-800-782-5348) A MINIMUM OF TWO (2) BUSINESS DAYS PRIOR TO COMMENCING CONSTRUCTION ACTIVITIES. THE CONTRACTOR SHALL KEEP ALL UNDERGROUND FACILITY LOCATION REQUESTS UP-TO-DATE AND COMPLY WITH ARIZONA REVISED STATUTES (A.R.S.), TITLE 40, CHAPTER 1, ARTICLE 6.3, SECTION 40-360.22. CONCERNS REGARDING THE ACCURACY BETWEEN THE UNDERGROUND FACILITY MARKINGS AND THE PROJECT PLANS SHALL BE IMMEDIATELY REPORTED TO THE DESIGN ENGINEER.
- CONTRACTOR SHALL MAINTAIN ACCESS TO ALL SANITARY SEWER MANHOLES AT ALL TIMES.
- ANY HOUSE CONNECTION SEWER (HCS) OR BUSINESS CONNECTION SEWER (BCS) LINES ENCOUNTERED DURING CONSTRUCTION SHALL BE PROTECTED, REPAIRED, OR REROUTED, AS THE SITUATION DICTATES, PER PCRWRD SSDC 2016 DETAIL NO. RWRD 400 AND AT NO EXPENSE TO THE PROPERTY OWNER OR PCRWRD. HCS AND BCS LINES ARE NOT OWNED OR MAINTAINED BY PCRWRD. PRIVATE CONNECTION SEWERS CONSTRUCTED PRIOR TO JANUARY 2006 ARE NOT REQUIRED TO BE LOCATED AND MARKED.
- IMMEDIATELY REPORT ANY OF THE FOLLOWING TO THE PCRWRD OPERATIONS CONTROL CENTER (OCC) AT (520) 724-6500: ANY RELEASE OF SEWAGE, ANY DAMAGE TO THE PUBLIC SANITARY SEWER SYSTEM, OR THE DROPPING OF DEBRIS INTO A PUBLIC SANITARY SEWER MANHOLE. A PCRWRD REPRESENTATIVE WILL BE DISPATCHED TO THE SITE. THE CONTRACTOR SHALL TAKE IMMEDIATE ACTION TO CONTAIN A SANITARY SEWAGE OVERFLOW (SSO). THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS TO REPAIR THE SYSTEM, MITIGATE THE RELEASE OF SEWAGE, DISINFECT THE RELEASE AREAS, AND ANY REGULATORY PENALTIES LEVIED ON PCRWRD FOR SEWAGE ENTERING A NATURAL DRAINAGE WAY OR STORM WATER DRAINAGE SYSTEM. THE CONTRACTOR SHALL REPAIR ALL DAMAGE AS DIRECTED AND APPROVED BY THE PCRWRD FIELD REPRESENTATIVE.
- MODIFICATION TO OR ADJUSTMENT OF EXISTING PIMA COUNTY SEWER FACILITIES SHALL NOT COMMENCE UNTIL: (A) THE CONTRACTOR HAS OBTAINED A PCRWRD PUBLIC SEWER CONSTRUCTION PERMIT (CONTACT THE PCRWRD PERMITS SECTION AT (520) 724-6649 FOR PERMIT APPLICATION REQUIREMENTS); (B) THE CONTRACTOR'S FLOW MANAGEMENT PLAN HAS BEEN SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING AND APPROVED BY PCRWRD FIELD ENGINEERING; AND (C) A PRE-CONSTRUCTION MEETING WITH THE ASSIGNED PIMA COUNTY PROJECT FIELD INSPECTOR IS SCHEDULED AT LEAST THREE (3) FULL BUSINESS DAYS PRIOR TO COMMENCING WITH SEWER CONSTRUCTION.
- THE CONTRACTOR SHALL ADJUST OR RECONSTRUCT ALL SANITARY SEWER MANHOLES TO FINISHED GRADE. ALL FRAMES AND COVER ADJUSTMENTS SHALL BE IN ACCORDANCE WITH PCRWRD SSDC 2016, DETAIL NOS. RWRD 211, 212, 304 OR 305 (AS APPLICABLE). THE CONTRACTOR SHALL PROTECT THE BENCH AND FLOW CHANNELS WITH A COVER PER PCRWRD SSDC 2016, DETAIL NO. RWRD 306. PRIOR TO COMMENCING ANY WORK TO THE MANHOLE AND REMOVE THE COVER AFTER ALL WORK IS COMPLETED. THE CONTRACTOR SHALL ENSURE THAT FRAMES AND COVERS ARE CLEAN AND FREE FROM ANY AND ALL ATTACHED MATERIALS (ASPHALT, CONCRETE, ETC.) AND THAT ALL VENT HOLES ARE OPEN AND CLEAR OF OBSTRUCTIONS, AS APPROVED BY THE PCRWRD FIELD ENGINEER. EXISTING FRAMES AND/OR COVERS THAT ARE DAMAGED OR CANNOT BE COMPLETELY CLEANED SHALL BE REPLACED WITH A NEW FRAME AND COVER IN ACCORDANCE WITH PCRWRD SSDC 2016, DETAIL NO. RWRD 213 - 218. COSTS ASSOCIATED WITH EXISTING FRAMES AND COVERS THAT ARE LOST OR DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.

NOTES

NO.	DATE	REVISION	BY	CHKD.	APPR.

GENERAL SEWER NOTES FOR UPC-2019-052:

- THE CONTRACTOR SHALL SUBMIT A FLOW MANAGEMENT PLAN (FMP) TO PCRWRD FIELD ENGINEERING FOR APPROVAL BEFORE PROCEEDING WITH ANY WORK THAT MAY AFFECT LIVE SEWERS. THE FMP SHALL IDENTIFY AND INCLUDE ALL FLOW MANAGEMENT COSTS IN THE CONSTRUCTION BID. THE FMP SHALL BE SUBMITTED THIRTY (30) CALENDAR DAYS PRIOR TO THE SEWER PRE-CONSTRUCTION MEETING. FIELD ENGINEERING WILL REVIEW THE FMP WITHIN TEN (10) BUSINESS DAYS TO ACCOMMODATE REVIEW AND REVISION CYCLES. REFER TO PCRWRD SSDC 2016, SECTION 2 FOR FMP REQUIREMENTS. PLEASE CONTACT PCRWRD FIELD ENGINEERING AT (520) 724-2651 FOR ANY QUESTIONS REGARDING FLOW MANAGEMENT.
- STORM WATER AND SEDIMENT CONTROL MEASURES SHALL BE PROPERLY INSTALLED TO PROTECT PCRWRD MANHOLES AT THE BEGINNING OF CONSTRUCTION. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO CONSTANTLY MAINTAIN STORM WATER AND SEDIMENT CONTROL MEASURES THAT PROTECT PCRWRD FACILITIES UNDER ALL CONDITIONS FOR THE DURATION OF THE PROJECT. UNDER NO CIRCUMSTANCES SHALL THE CONTRACTOR ALLOW STORM WATER, SEDIMENT, OR POTENTIAL POLLUTANTS FROM A CONSTRUCTION SITE TO ENTER A PCRWRD MANHOLE. THE CONTRACTOR SHALL ENSURE THAT THEIR FLOW MANAGEMENT OPERATIONS INCLUDE CONTROLS TO PREVENT ANY INTRODUCTION OF STORM WATER, SEDIMENT, OR POLLUTANTS INTO THE PUBLIC SANITARY SEWER SYSTEM. FAILURE TO CONFORM TO THESE REQUIREMENTS SHALL RESULT IN CANCELLATION OF THE SEWER CONSTRUCTION PERMIT.
- PRIOR TO THE PRECONSTRUCTION MEETING WITH PCRWRD, THE CONTRACTOR SHALL IDENTIFY ALL EXISTING SANITARY SEWER MANHOLE COVERS HAVING FOREIGN MATERIALS ATTACHED. FOREIGN MATERIALS SHALL BE REMOVED FROM THE EXISTING MANHOLE COVERS REGARDLESS OF EXISTING OR NEW CONDITIONS. IF BUILD-UP IS TOO HEAVY TO BE REMOVED, THE CONTRACTOR SHALL REPLACE THE MANHOLE FRAME AND COVER AND SALVAGED ITEMS SHALL BE DELIVERED TO PIMA COUNTY CONVEYANCE AT 3355 N. DODGE BLVD., TUCSON, AZ. THE CONTRACTOR SHALL COORDINATE WITH THE PCRWRD INSPECTOR TO SCHEDULE A TIME TO DELIVER THE SALVAGED FRAMES AND COVERS. AFTER THE COMPLETION OF PAVEMENT WORK, THE CONTRACTOR SHALL VERIFY THAT ALL SANITARY SEWER MANHOLE COVERS AND PICK HOLES ARE CLEAN AND FREE OF ANY CONSTRUCTION MATERIALS, DEBRIS, AND/OR OBSTRUCTIONS.
- ANY WORK INSIDE OR AROUND AN EXISTING SANITARY SEWER MANHOLE, INCLUDING MANHOLES THAT ARE LOCATED WITHIN THE ROUGH GRADING LIMITS FOR A PROJECT, SHALL BE PROTECTED FROM FALLING DEBRIS BY INSTALLING A TEMPORARY FLOW CHANNEL COVER PER PCRWRD STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION, STANDARD DETAIL RWRD-306. THE CONTRACTOR SHALL REMOVE ANY DEBRIS THAT ENTERS A MANHOLE DURING CONSTRUCTION. FAILURE BY THE CONTRACTOR TO PROMPTLY REMOVE DEBRIS FROM A MANHOLE SHALL RESULT IN PCRWRD TAKING CORRECTIVE ACTION THAT WILL THEN BE BILLED TO THE CONTRACTOR.
- EXISTING MANHOLE FRAMES AND COVERS MAY NOT MATCH EXISTING PAVEMENT GRADES AND/OR ARE COVERED WITH PAVEMENT MATERIAL. PRIOR TO COMMENCING PAVEMENT WORK, THE CONTRACTOR SHALL CONTACT PCRWRD FIELD ENGINEERING AT (520-724-2651) TO INSPECT EACH OF THE EXISTING MANHOLES AND IDENTIFY WHICH REQUIRE GRADE ADJUSTMENTS PER STANDARD DETAIL RWRD-304 OR -305. PCRWRD RESERVES THE RIGHT TO REQUIRE MANHOLE GRADE ADJUSTMENTS AT THE DISCRETION OF THE PCRWRD FIELD ENGINEER. IF MANHOLE GRADE ADJUSTMENTS ARE REQUIRED, THIS WORK SHALL NOT COMMENCE UNTIL: (A) CONTRACTOR HAS OBTAINED A PUBLIC SEWER CONSTRUCTION PERMIT FROM PCRWRD (520-724-6369) AND (B) A PRE-CONSTRUCTION MEETING WITH THE ASSIGNED PIMA COUNTY PROJECT INSPECTOR IS SCHEDULED, AT LEAST THREE (3) FULL WORKING DAYS PRIOR TO THE START OF SEWER CONSTRUCTION. FLOW MANAGEMENT PLANS SHALL BE SUBMITTED TO FIELD ENGINEERING THIRTY (30) DAYS PRIOR TO THE PRE-CONSTRUCTION MEETING.
- PRIOR TO COMMENCING WITH MANHOLE ADJUSTMENT WORK (I.E., REMOVAL OF THE MANHOLE FRAME AND COVER), THE CONTRACTOR SHALL VISUALLY INSPECT THE CONDITION OF THE MANHOLE FRAME, COVER, AND GRADE RINGS TO IDENTIFY ANY SPECIAL COATINGS, LININGS OR OTHER CONDITIONS THAT MAY REQUIRE ADDITIONAL WORK AND INSPECTION BY PCRWRD. IF SUCH CONDITIONS ARE IDENTIFIED, THE CONTRACTOR SHALL IMMEDIATELY NOTIFY FIELD ENGINEERING AT (520) 724-2651 FOR FURTHER DIRECTION.



Record Document
Dated: 02/03/2026



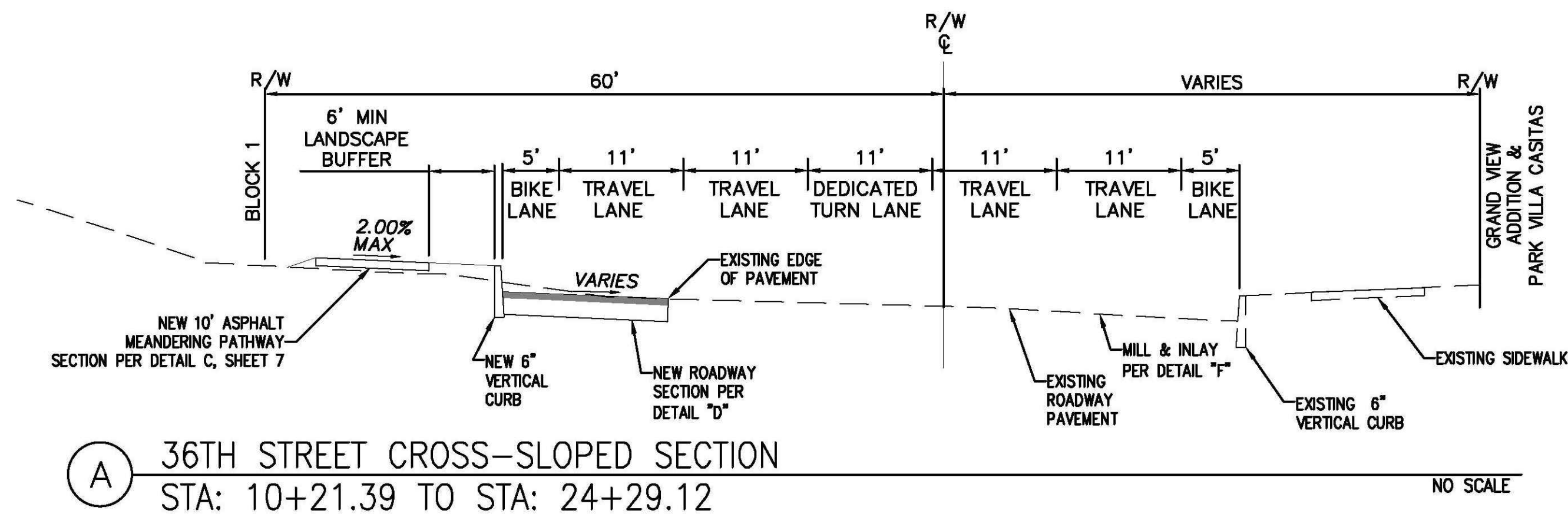
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET			Approved _____ 20__	2
PARK AVENUE TO KINO PARKWAY			_____	OF
			TRANSPORTATION DIRECTOR	25
			REF. XX-XX-XX	SCALE: AS SHOWN
			PLAN NO. I-2016-007	

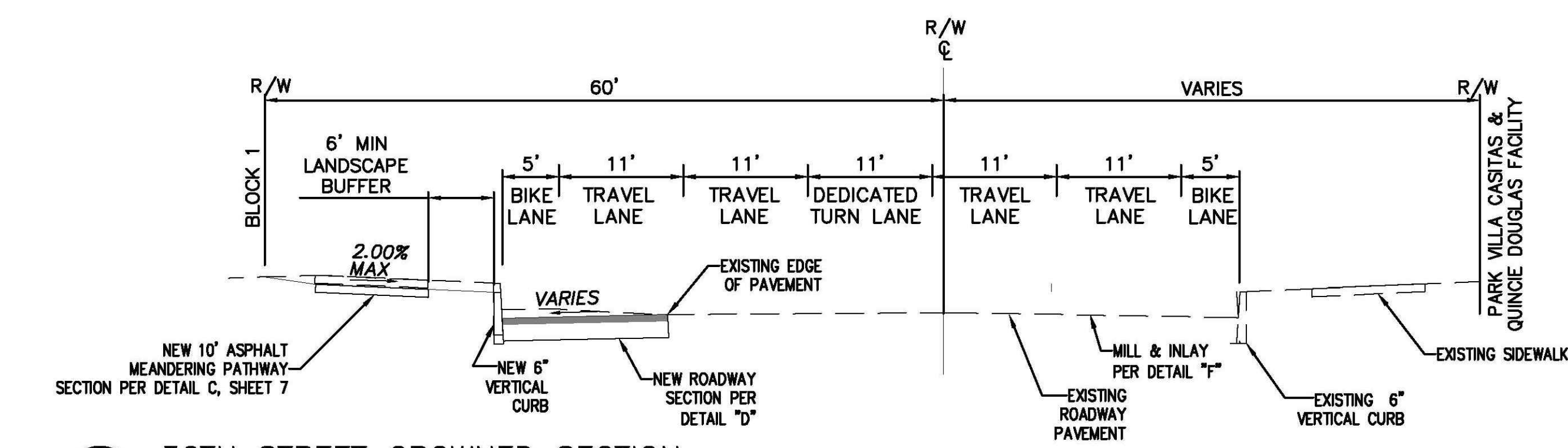


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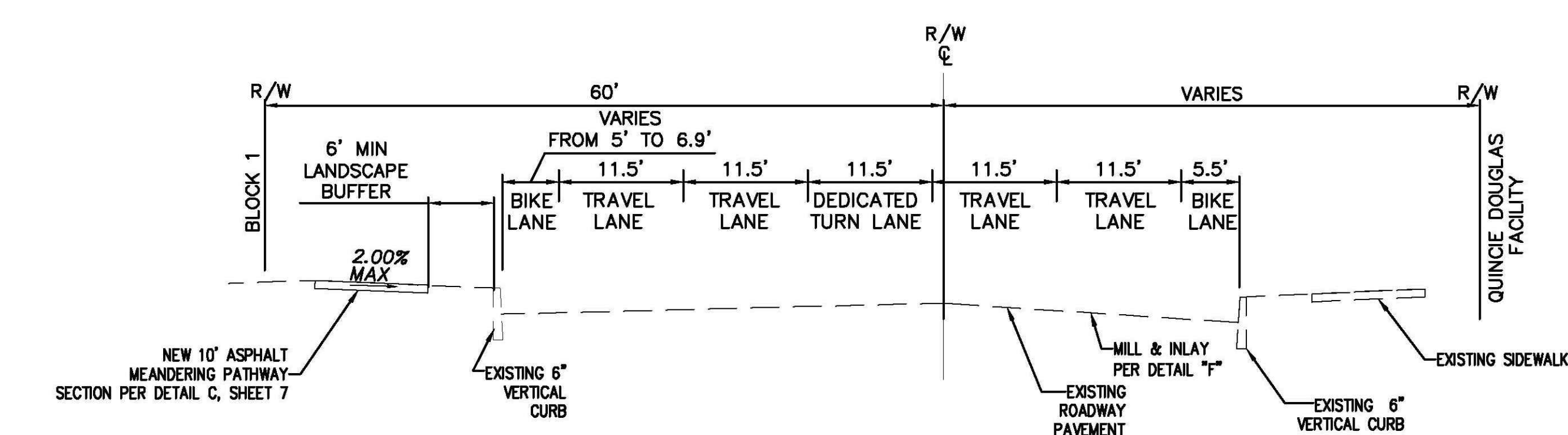
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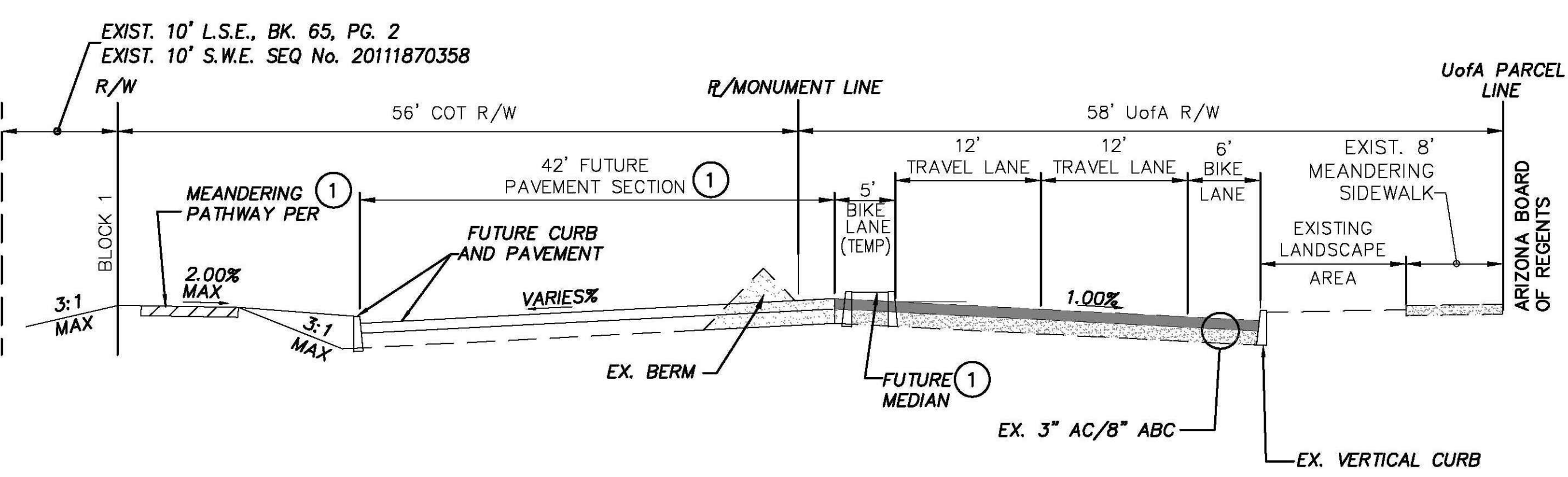
(A) 36TH STREET CROSS-SLOPED SECTION
 STA: 10+21.39 TO STA: 24+29.12
 NO SCALE



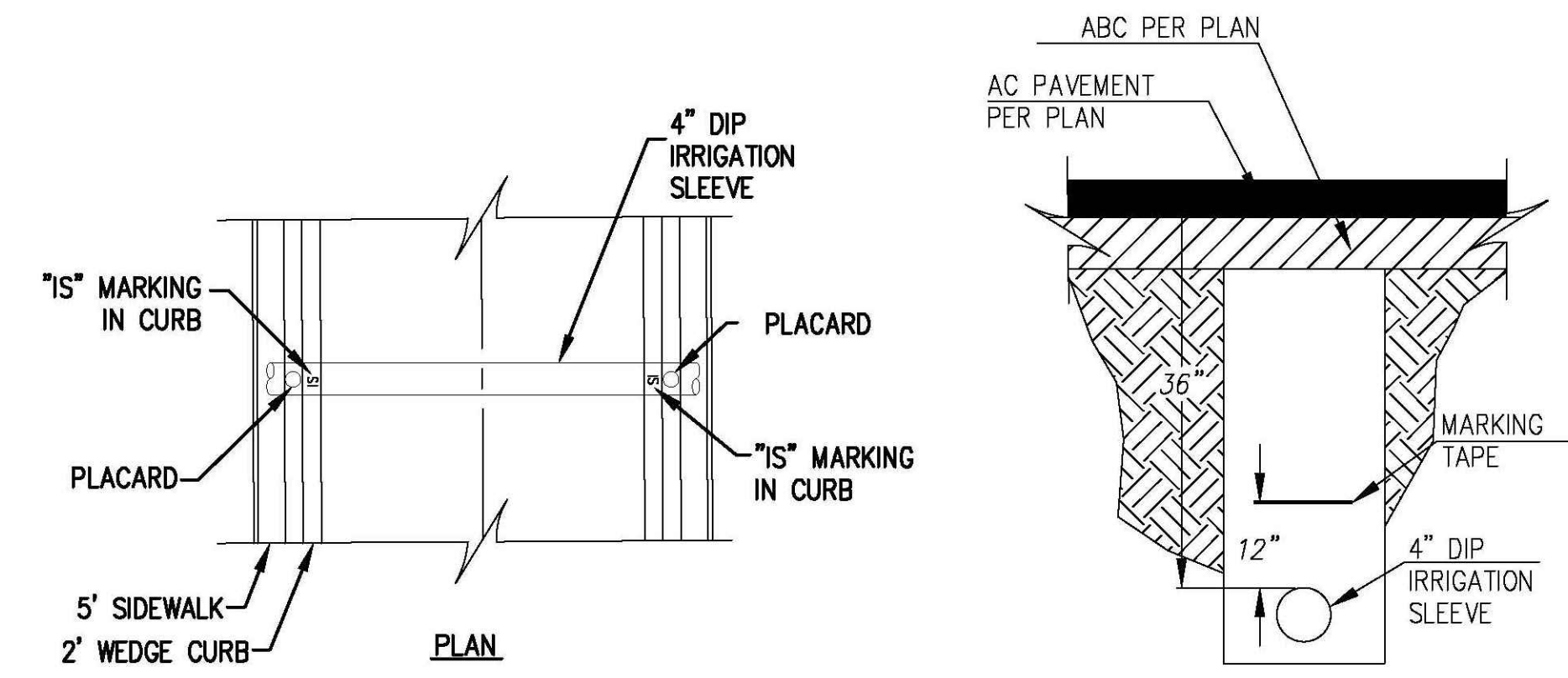
(B) 36TH STREET CROWNED SECTION
 STA: 25+64.87 TO STA: 32+45.79
 NO SCALE



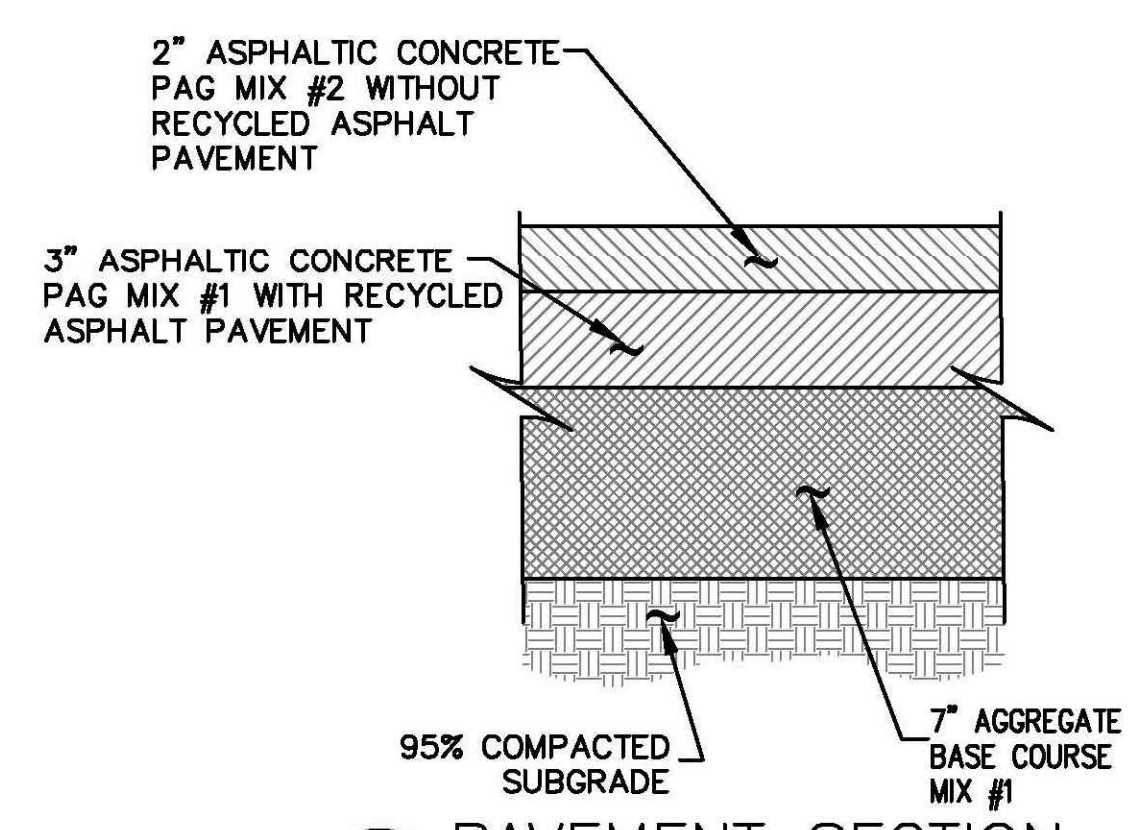
(C) 36TH STREET CROWNED SECTION
 STA: 32+45.79 TO STA: 36+74.78
 NO SCALE



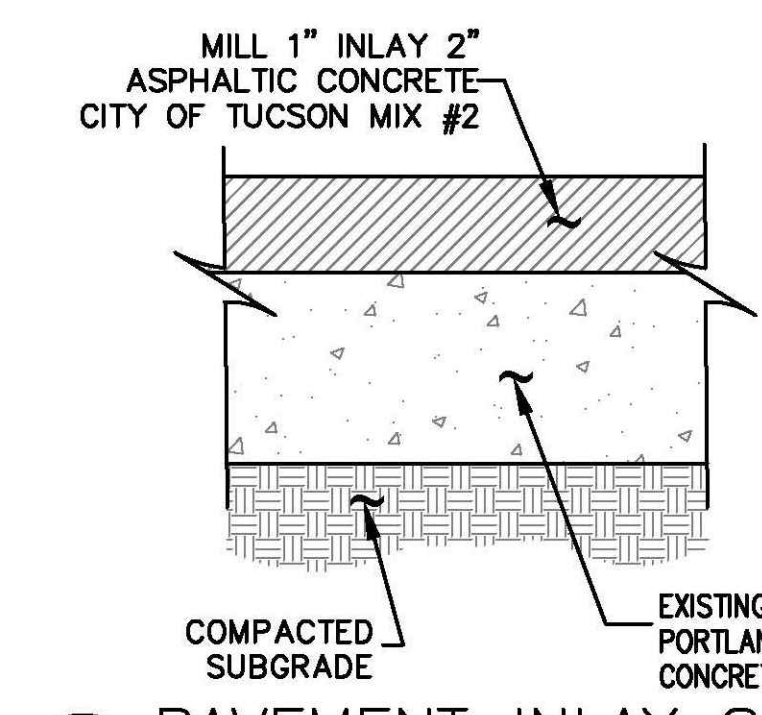
(E) ML KING JR. WAY PUBLIC STREET SECTION
 NO SCALE
 ① SEE M.L.K. JR. WAY PIA PLANS (I-2018-024)



(H) IRRIGATION SLEEVE(S) (TYPICAL)
 SEE LANDSCAPE PLANS FOR LOCATION AND NUMBER OF SLEEVES



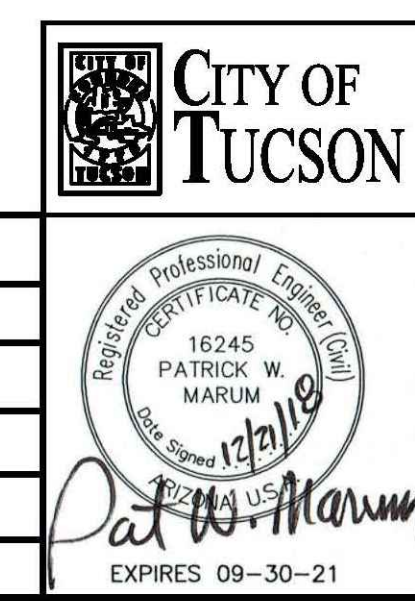
(D) PAVEMENT SECTION
 36TH STREET PER GEOTECHNICAL REPORT RECOMMENDATION
 N.T.S.



(F) PAVEMENT INLAY SECTION
 36TH STREET PER GEOTECHNICAL REPORT RECOMMENDATION
 N.T.S.

CROSS SECTIONS

NO.	DATE	REVISION	BY	CHKD.	APPR.



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
 PARK AVENUE TO KINO PARKWAY

Approvals	Signatory	Date

Approved _____ 20__ 3 OF 25
 TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN
 PLAN NO. I-2016-007

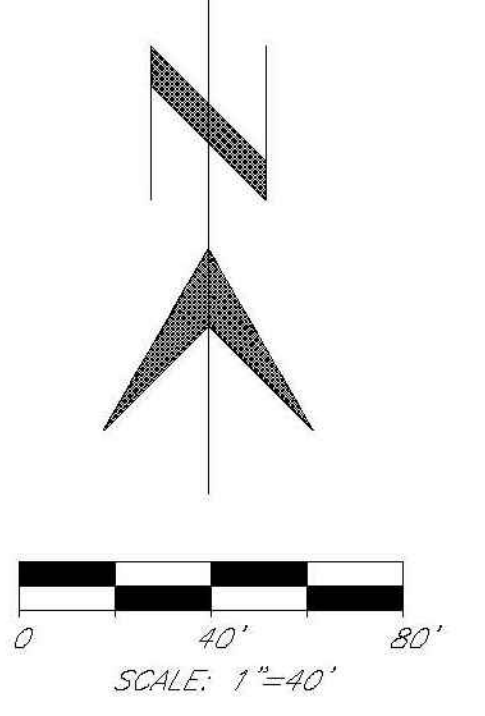
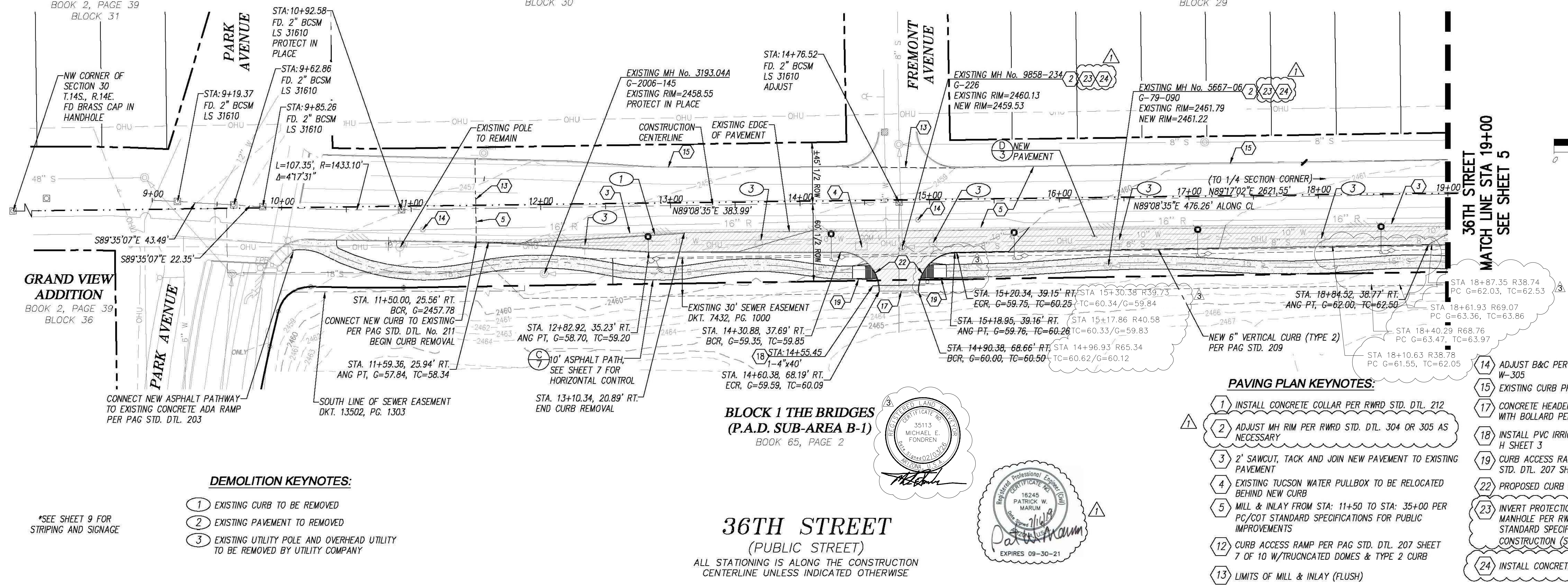


Record Document
 Dated: 02/03/2026

GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 31

GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 30

GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 29



GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 36

DEMOLITION KEYNOTES:

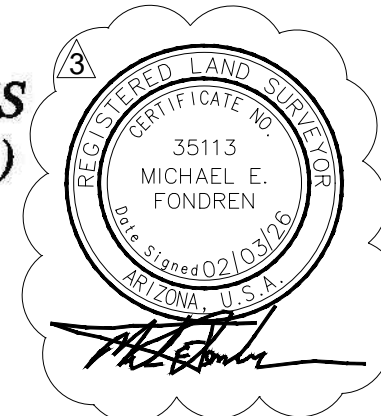
- ① EXISTING CURB TO BE REMOVED
- ② EXISTING PAVEMENT TO BE REMOVED
- ③ EXISTING UTILITY POLE AND OVERHEAD UTILITY TO BE REMOVED BY UTILITY COMPANY

*SEE SHEET 9 FOR STRIPING AND SIGNAGE

BLOCK 1 THE BRIDGES
(P.A.D. SUB-AREA B-1)
BOOK 65, PAGE 2

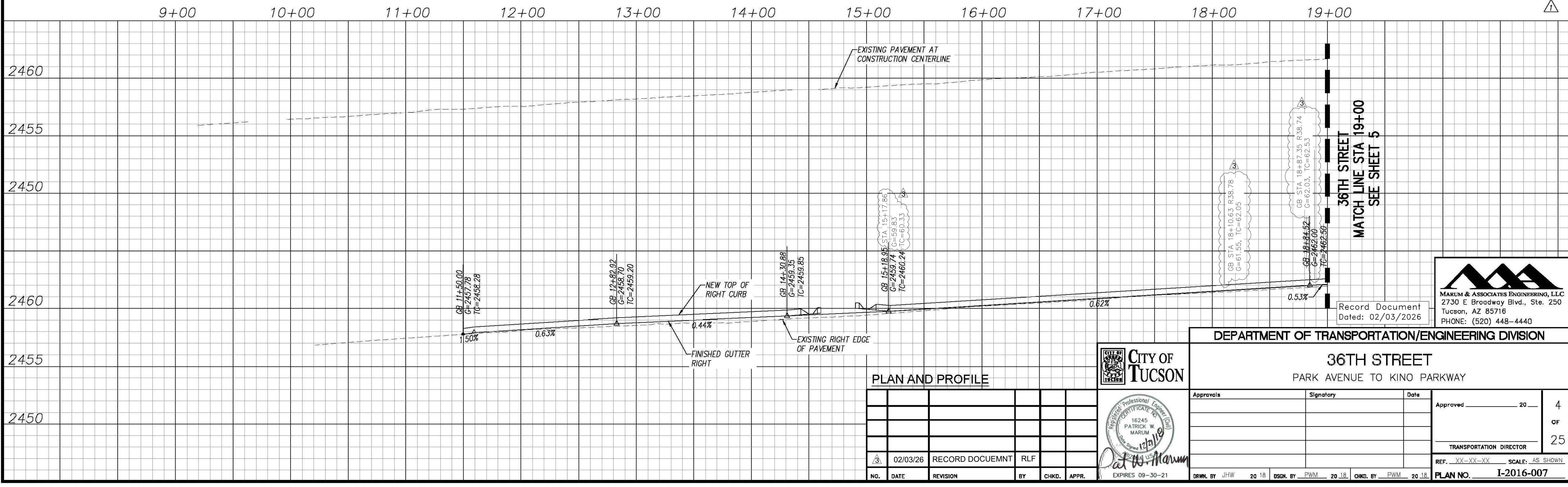
36TH STREET
(PUBLIC STREET)

ALL STATIONING IS ALONG THE CONSTRUCTION CENTERLINE UNLESS INDICATED OTHERWISE



PAVING PLAN KEYNOTES:

- ① INSTALL CONCRETE COLLAR PER RWRD STD. DTL. 212
- ② ADJUST MH RIM PER RWRD STD. DTL. 304 OR 305 AS NECESSARY
- ③ 2' SAWCUT, TACK AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT
- ④ EXISTING TUCSON WATER PULLBOX TO BE RELOCATED BEHIND NEW CURB
- ⑤ MILL & INLAY FROM STA: 11+50 TO STA: 35+00 PER PC/COT STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS
- ⑫ CURB ACCESS RAMP PER PAG STD. DTL. 207 SHEET 7 OF 10 W/TRUNCATED DOMES & TYPE 2 CURB
- ⑬ LIMITS OF MILL & INLAY (FLUSH)
- ⑭ ADJUST B&C PER TUCSON WATER STD. DTL. W-305
- ⑮ EXISTING CURB PROTECT IN PLACE
- ⑰ CONCRETE HEADER PER PAG STD. DTL. 213 WITH BOLLARD PER PAG STD. DTL. 106
- ⑱ INSTALL PVC IRRIGATION SLEEVE(S) PER DETAIL H SHEET 3
- ⑲ CURB ACCESS RAMP ALTERNATIVE PER PAG STD. DTL. 207 SHEET 5 OF 10
- ⑳ PROPOSED CURB RADIUS EQUALS THIRTY FEET (30)
- ㉓ INVERT PROTECTION TO BE PLACED IN EACH MANHOLE PER RWRD STD. DTL. 306 AND RWRD STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (SSDC) 3.3.3(D)(i)
- ㉔ INSTALL CONCRETE COLLAR PER RWRD STD. DTL. 211



36TH STREET
MATCH LINE STA 19+00
SEE SHEET 5

Record Document
Dated: 02/03/2026

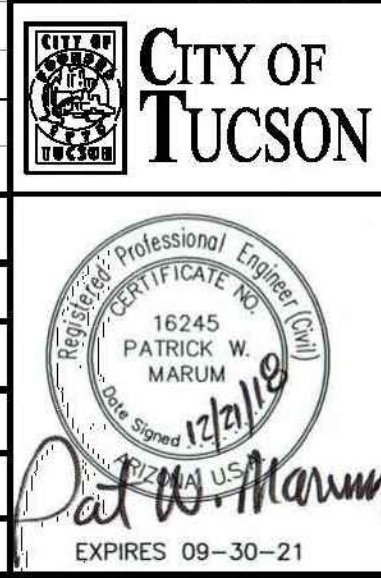


DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY

PLAN AND PROFILE

NO.	DATE	REVISION	BY	CHKD.	APPR.
1	02/03/26	RECORD DOCUMNT	RLF		



Approvals	Signature	Date	Approved	Count
			20	4
				25

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2016-007

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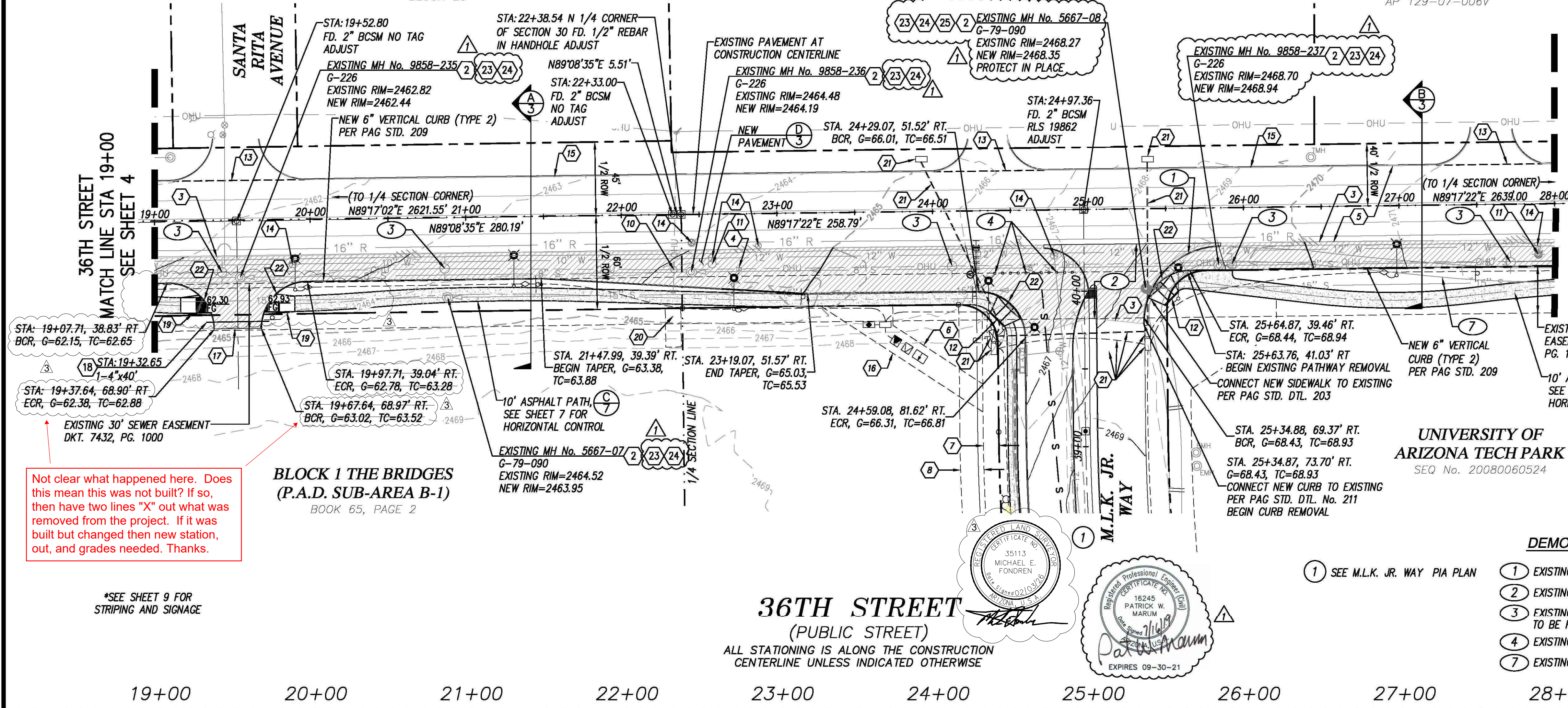
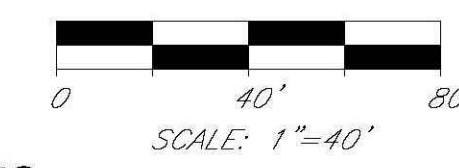
GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 28

PARK VILLA CASITAS
DOCKET 12564, PAGE 4024

CITY OF TUCSON
QUINCIE DOUGLAS
AP 129-07-006V

PAVING PLAN KEYNOTES:

- 1 INSTALL CONCRETE COLLAR PER RWRD STD. DTL. 212
- 2 ADJUST MH RIM PER RWRD STD. DTL. 304 OR 305 AS NECESSARY
- 3 2' SAWCUT, TACK AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT
- 4 EXISTING TUCSON WATER PULLBOX TO BE RELOCATED BEHIND NEW PATHWAY
- 5 MILL & INLAY FROM STA: 11+50 TO STA: 35+00 PER PC/COT STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS
- 6 EXISTING L.S.E. BOOK 65, PAGE 2
- 7 EXISTING 10' L.S.E. BOOK 65, PAGE 2
EXISTING 10' S.W.E. SEQ. No. 20111870358
- 8 EXISTING 15' P.W.E. BOOK 65, PAGE 2
- 10 EXISTING UTILITY POLE AND GUY WIRE TO BE RELOCATED, BY UTILITY COMPANY SOUTH OF THE 10' PATH
- 11 EXISTING FIRE HYDRANT TO BE REMOVED
- 12 CURB ACCESS RAMP PER PAG STD. DTL. 207 SHEET 7 OF 10 W/TRUNCATED DOMES & TYPE 2 CURB
- 13 LIMITS OF MILL & INLAY (FLUSH)
- 14 ADJUST B&C PER TUCSON WATER STD. DTL. W-305
- 15 EXISTING CURB PROTECT IN PLACE
- 16 15' ELECTRIC EASEMENT BY SEPARATE INSTRUMENT SEQ. No. _____
- 17 CONCRETE HEADER PER PAG STD. DTL. 213 WITH BOLLARD PER PAG STD. DTL. 106
- 18 INSTALL PVC IRRIGATION SLEEVE(S) PER DETAIL H SHEET 3
- 19 CURB ACCESS RAMP ALTERNATIVE PER PAG STD. DTL. 207 SHEET 5 OF 10
- 20 PROPOSED UTILITY POLE AND GUY WIRE LOCATION, EXACT LOCATION TO BE DETERMINED BY UTILITY COMPANY
- 21 SEE STREET LIGHTING SHEET 12 FOR FULL DESCRIPTION
- 22 PROPOSED CURB RADIUS EQUALS THIRTY FEET (30)
- 23 INVERT PROTECTION TO BE PLACED IN EACH MANHOLE PER RWRD STD. DTL. 306 AND RWRD STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (SSDC) 3.3.3(D)(i)
- 24 INSTALL CONCRETE COLLAR PER RWRD STD. DTL. 211
- 25 INSTALL WATERTIGHT FRAME AND COVER PER RWRD STD. DTL. 214 AND RWRD ENGINEERING DESIGN STANDARDS (EDS) 5.2.13



Not clear what happened here. Does this mean this was not built? If so, then have two lines "X" out what was removed from the project. If it was built but changed then new station, out, and grades needed. Thanks.

BLOCK 1 THE BRIDGES
(P.A.D. SUB-AREA B-1)
BOOK 65, PAGE 2

*SEE SHEET 9 FOR STRIPING AND SIGNAGE

36TH STREET
(PUBLIC STREET)

ALL STATIONING IS ALONG THE CONSTRUCTION CENTERLINE UNLESS INDICATED OTHERWISE

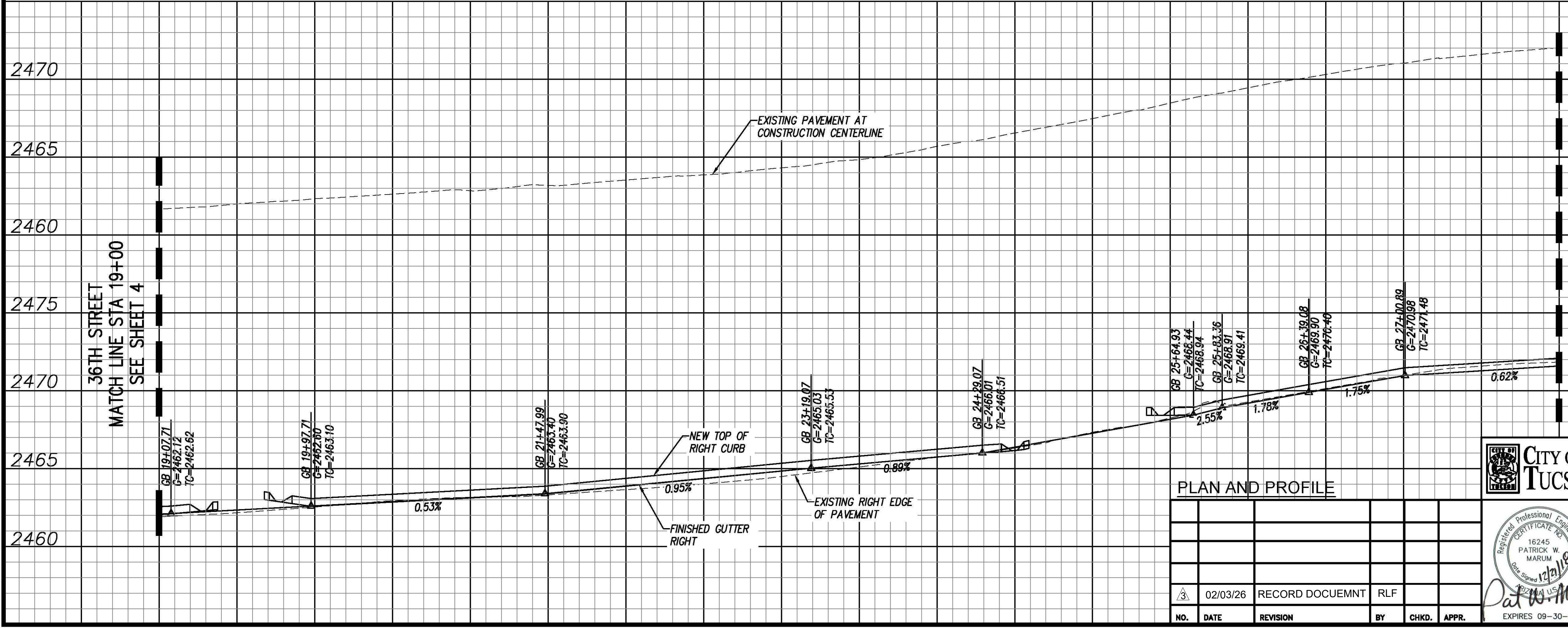


DEMOLITION KEYNOTES:

- 1 EXISTING CURB TO BE REMOVED
- 2 EXISTING PAVEMENT TO BE REMOVED
- 3 EXISTING UTILITY POLE AND OVERHEAD UTILITY TO BE REMOVED BY UTILITY COMPANY
- 4 EXISTING REFLECTOR SIGNS TO BE REMOVED
- 7 EXISTING PATHWAY TO BE REMOVED

1 SEE M.L.K. JR. WAY PIA PLAN

19+00 20+00 21+00 22+00 23+00 24+00 25+00 26+00 27+00 28+00



PLAN AND PROFILE

NO.	DATE	REVISION	BY	CHKD.	APPR.
1	02/03/26	RECORD DOCUEMNT	RLF		



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY

Approvals	Signature	Date	Approved	20	5
					OF
					25
					TRANSPORTATION DIRECTOR
					REF. XX-XX-XX SCALE: AS SHOWN
					PLANNING NO. I-2016-007



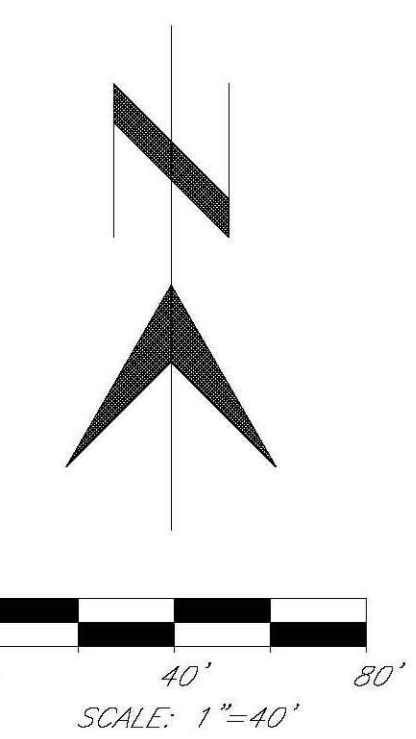
Record Document
Dated: 02/03/2026

CITY OF TUCSON
QUINCIE DOUGLAS
AP 129-07-006V

UNIVERSITY OF ARIZONA TECH PARK
SEQ No. 20080060524

36TH STREET
(PUBLIC STREET)

ALL STATIONING IS ALONG THE CONSTRUCTION CENTERLINE UNLESS INDICATED OTHERWISE



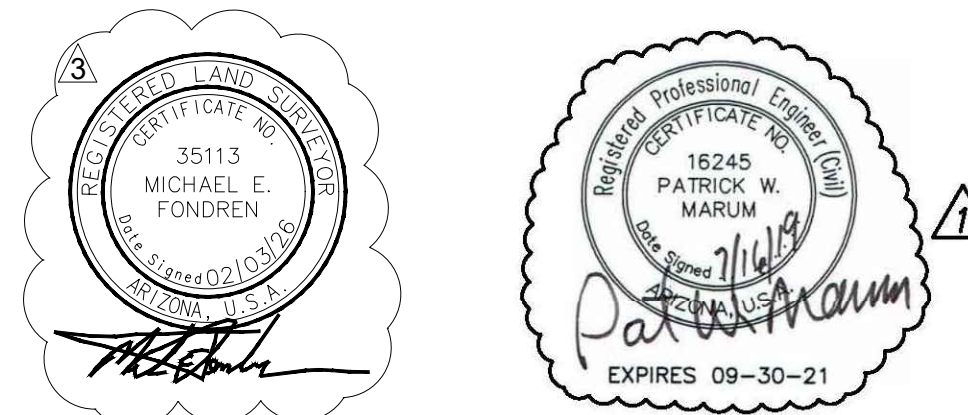
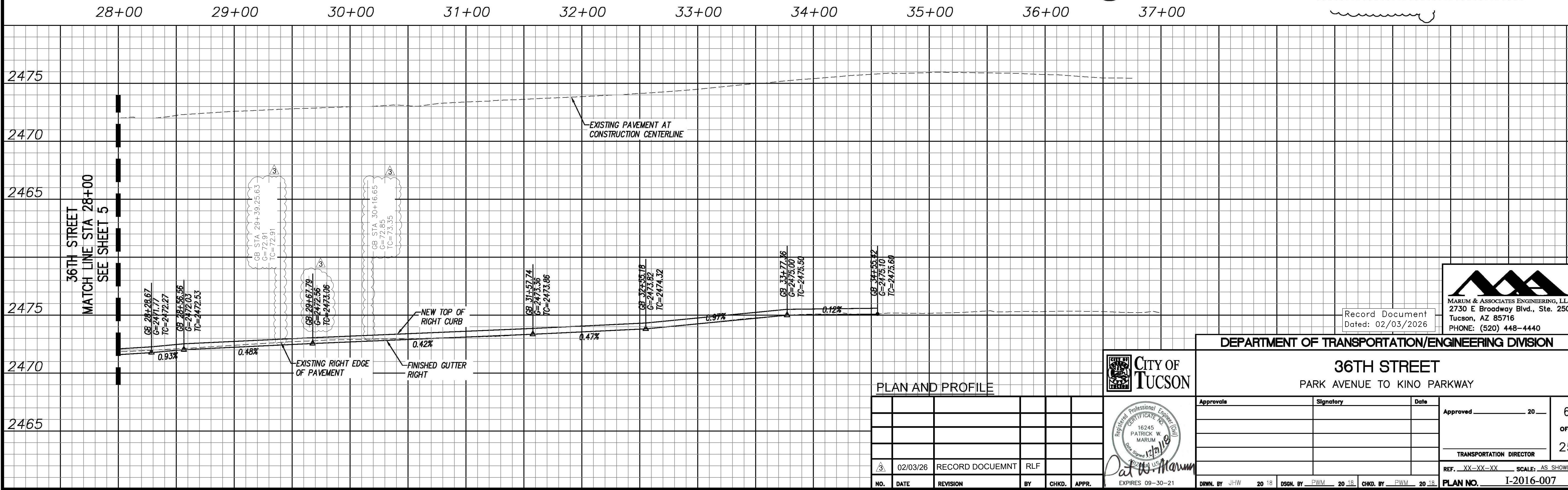
- PAVING PLAN KEYNOTES:**
- 1 INSTALL CONCRETE COLLAR PER RWRD STD. DTL. 212
 - 2 ADJUST MH RIM PER RWRD STD. DTL. 304 OR 305 AS NECESSARY
 - 3 2' SAWCUT, TACK AND JOIN NEW PAVEMENT TO EXISTING PAVEMENT
 - 5 MILL & INLAY FROM STA: 11+50 TO STA: 35+00 PER PC/COT STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS
 - 13 LIMITS OF MILL & INLAY (FLUSH)
 - 14 ADJUST B&C PER TUCSON WATER STD. DTL. W-305
 - 15 EXISTING CURB PROTECT IN PLACE
 - 23 INVERT PROTECTION TO BE PLACED IN EACH MANHOLE PER RWRD STD. DTL. 306 AND RWRD STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (SSDC) 3.3.3(d)(i)
 - 24 INSTALL CONCRETE COLLAR PER RWRD STD. DTL. 211
 - 25 INSTALL WATERTIGHT FRAME AND COVER PER RWRD STD. DTL. 214 AND RWRD ENGINEERING DESIGN STANDARDS (EDS) 5.2.13

- DEMOLITION KEYNOTES:**
- 1 EXISTING CURB TO BE REMOVED
 - 2 EXISTING PAVEMENT TO BE REMOVED
 - 3 EXISTING UTILITY POLE AND OVERHEAD UTILITY TO BE REMOVED BY UTILITY COMPANY
 - 5 DEMO AND REPLACE CURB IN THIS AREA
 - 6 EXISTING DRIVEWAY TO BE REMOVED DEMO AND REPLACE CURB IN THIS AREA
 - 7 EXISTING PATHWAY TO BE REMOVED
 - 8 EXISTING CONCRETE SIDEWALK TO BE REMOVED

36TH STREET
MATCH LINE STA 28+00
SEE SHEET 5

*SEE SHEET 9 FOR STRIPING AND SIGNAGE

Not clear what happened here. Was the angle point removed and the curb holds a straight bearing? Thanks.

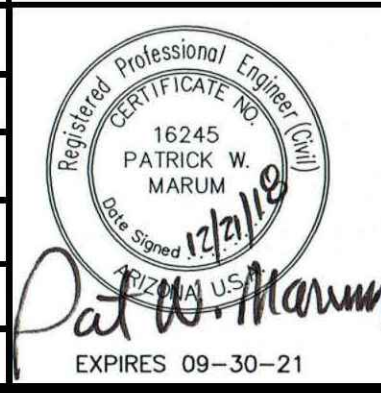


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Dated: 02/03/2026



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY

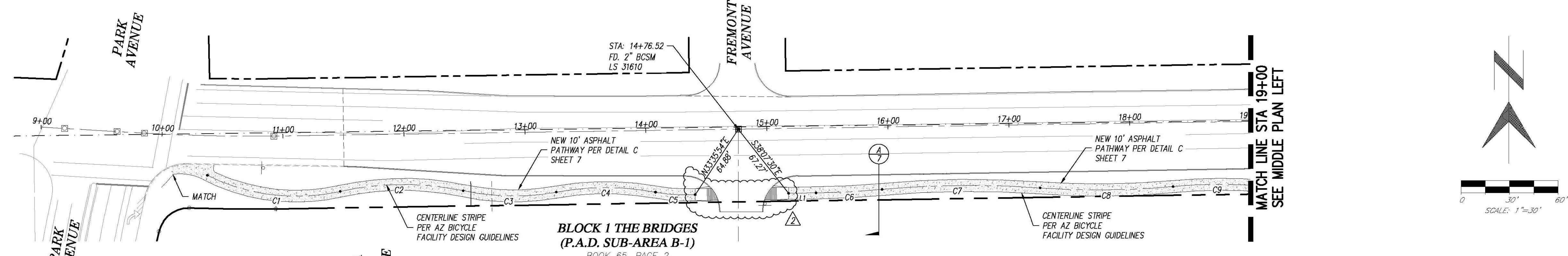


Approvals	Signature	Date	Approved	20	6
TRANSPORTATION DIRECTOR					25
REF. XX-XX-XX SCALE: AS SHOWN					
PLAN NO. I-2016-007					

PLAN AND PROFILE

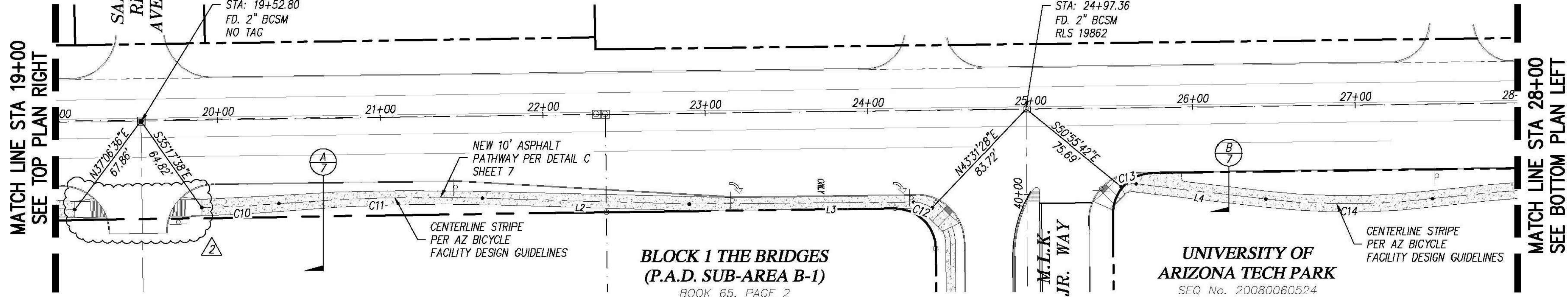
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1	02/03/26	RECORD DOCUEMNT	RLF		

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 XREFS: 18044-BRD 18044-EX-PROP 18044-BA GEICO BUILDING SITE



LINE TABLE

LINE	LENGTH	DIRECTION
L1	22.75'	N89°08'22.27"E
L2	127.32'	S88°20'49.81"E
L3	138.10'	N89°28'29.53"E
L4	80.17'	S83°17'31.95"E
L5	37.36'	N85°04'50.33"E
L6	61.36'	S87°06'12.55"E
L7	25.94'	N73°37'50.29"E
L8	15.27'	N89°11'45.97"E
L9	8.40'	S73°36'35.61"E

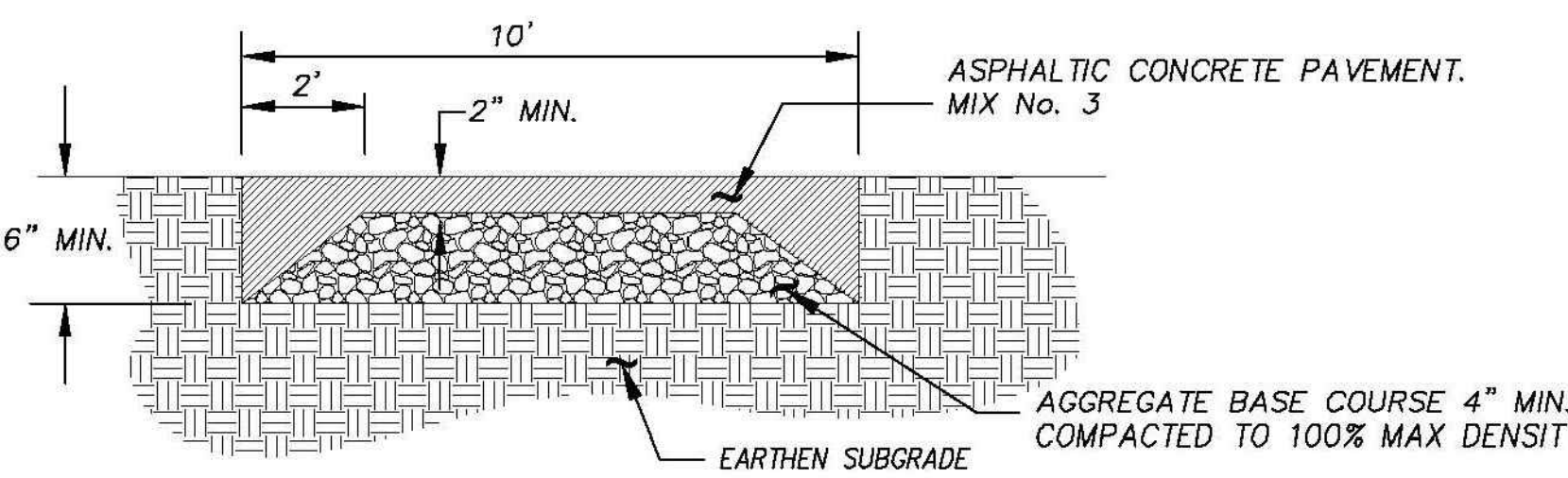
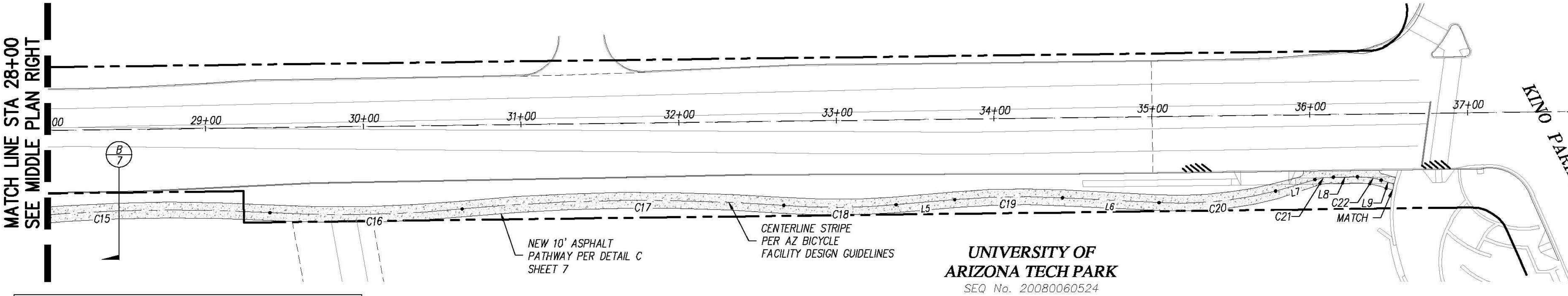


CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C1	112.65'	165.00'	39°06'59"	110.47'	N83°03'17"W
C2	102.73'	240.00'	24°31'29"	101.95'	S89°38'58"W
C3	77.25'	200.00'	22°07'49"	76.77'	N89°09'12"W
C4	82.41'	230.00'	20°31'49"	81.97'	N89°57'12"W
C5	32.88'	140.00'	13°27'26"	32.81'	N86°25'01"W
C6	54.55'	720.00'	4°20'28"	54.54'	N86°58'08"E
C7	130.68'	800.00'	9°21'33"	130.53'	N89°28'41"E
C8	110.22'	665.00'	9°29'47"	110.09'	N89°24'33"E
C9	76.03'	431.61'	10°05'34"	75.93'	N89°42'58"E
C10	47.60'	855.00'	3°11'24"	47.60'	N86°57'04"E
C11	125.29'	1140.00'	6°17'49"	125.22'	S88°30'16"W
C12	12.05'	22.55'	30°37'32"	11.91'	N71°58'24"W
C13	9.53'	15.00'	36°24'13"	9.37'	N78°30'21"E
C14	102.98'	430.00'	13°43'20"	102.74'	N89°50'48"E
C15	193.59'	1090.00'	10°10'34"	193.34'	N88°04'25"E
C16	121.97'	815.00'	8°34'28"	121.85'	N88°52'28"E
C17	203.97'	1220.00'	9°34'46"	203.74'	N89°22'37"E

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD	CHORD BEARING
C18	71.36'	450.00'	9°05'10"	71.29'	N89°37'25"E
C19	68.21'	500.00'	7°48'57"	68.15'	N88°59'19"E
C20	74.42'	250.00'	17°03'23"	74.15'	N84°22'06"E
C21	11.89'	51.00'	13°21'22"	11.86'	N82°31'05"E
C22	15.30'	51.00'	17°11'38"	15.25'	S82°12'25"E

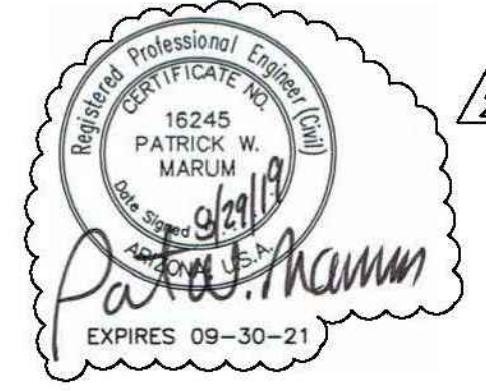


ASPHALTIC PATH SECTION
 PER PIMA COUNTY NATURAL RESOURCES PARKS & RECREATION (NRPR) DETAIL P-1101
 NO SCALE

PATHWAY HORIZONTAL CONTROL AND STRIPING

NO.	DATE	REVISION	BY	CHKD.	APPR.
1	8/28/19	BLOCK 1 DRIVE REVISION	JHW	PM	

Record Document
 Dated: 02/03/2026

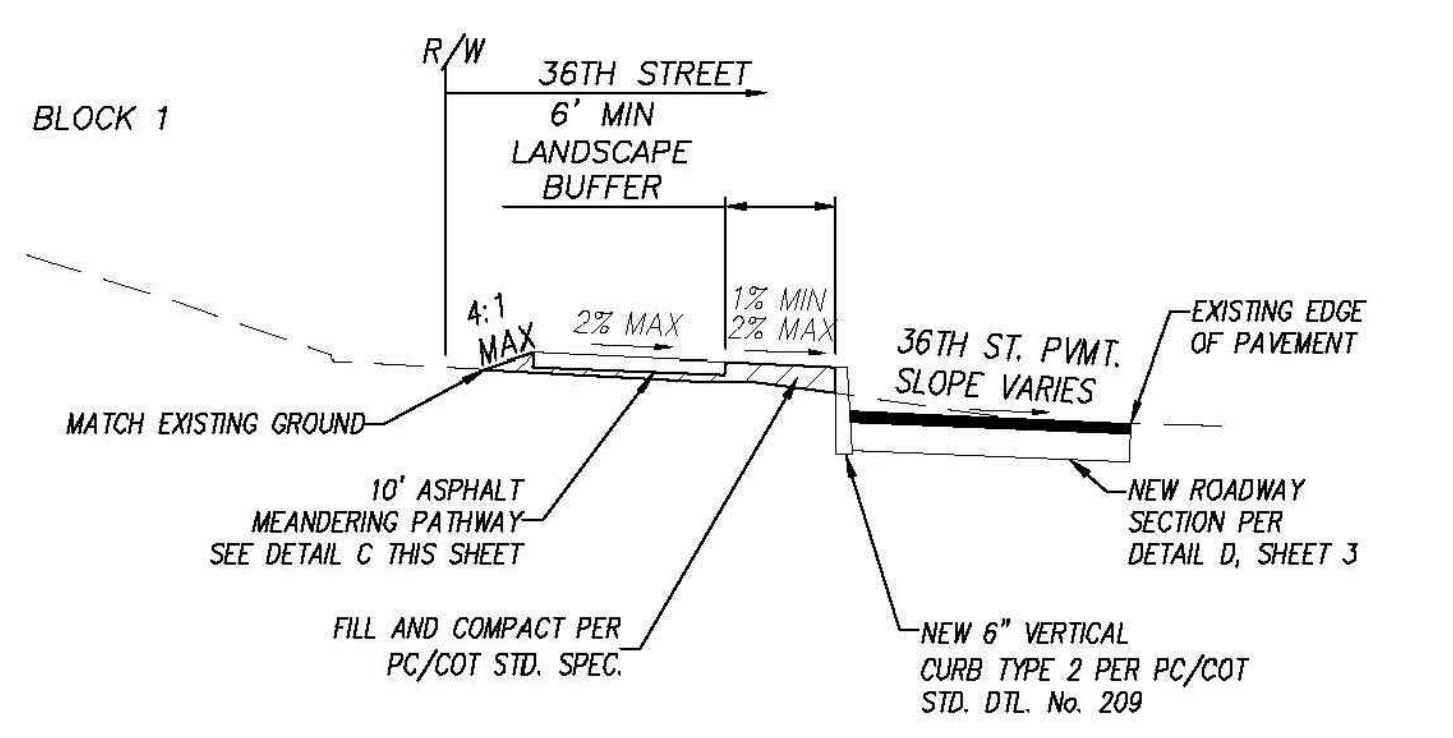


MARUM & ASSOCIATES ENGINEERING, LLC
 2730 E Broadway Blvd., Ste. 250
 Tucson, AZ 85716
 PHONE: (520) 448-4440

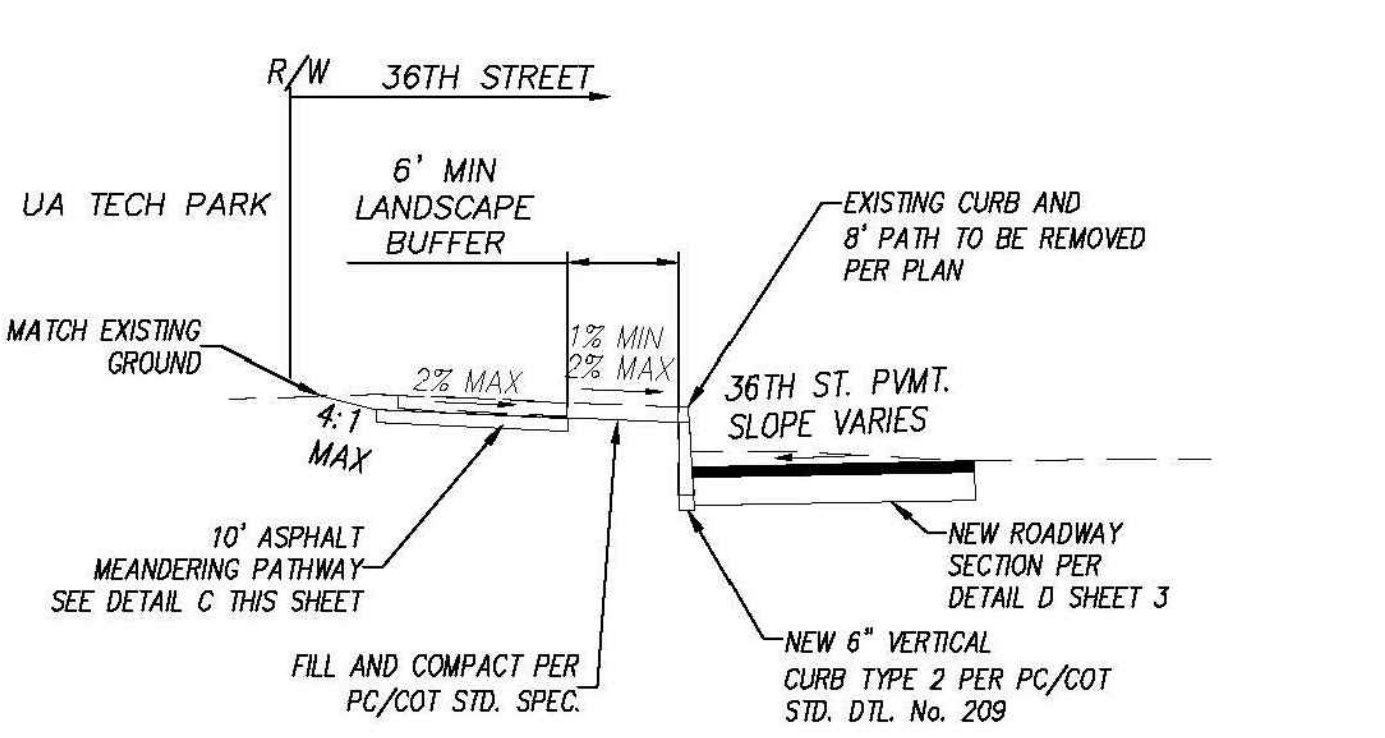
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

**36TH STREET
 PARK AVENUE TO KINO PARKWAY**

Approvals	Signature	Date
Approved _____	20 ____	7
TRANSPORTATION DIRECTOR		OF
REF. XX-XX-XX	SCALE: AS SHOWN	25
PLAN NO. I-2016-007		



PATH GRADING SECTION WEST OF M L KING JR WAY
 STA: 10+09 TO 24+42 NO SCALE



PATH GRADING SECTION EAST OF M L KING JR WAY
 STA: 25+50 TO 34+55 NO SCALE

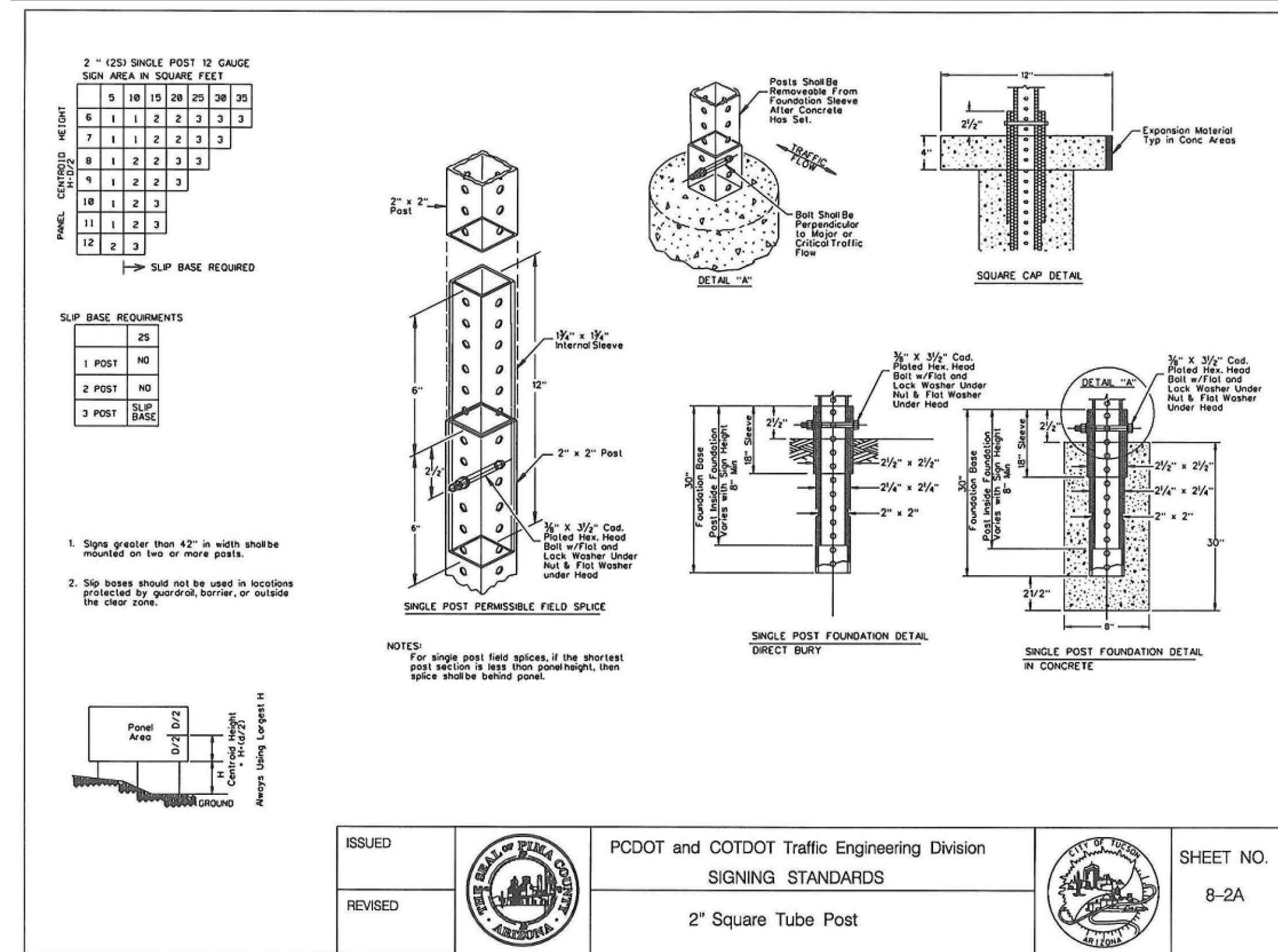
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 XREFS: 18044-BRDR 18044-EXBA_NobelWay 18044-EX-PROP 18044-BA

GENERAL STRIPING NOTES:

- ALL PAVEMENT MARKINGS SHALL CONFORM TO PIMA COUNTY/CITY OF TUCSON (PC/COT) STANDARDS AND SPECIFICATIONS.
- THE DESIGN SPEED IS 40 M.P.H. FOR ALL STREETS. THE DESIGN VEHICLE IS WB-40.
- THE PERMANENT PAVEMENT MARKINGS MAY BE MODIFIED AS DIRECTED BY THE TRAFFIC ENGINEER.
- THE PAVEMENT MARKING DRAWINGS ARE SCHEMATIC ONLY. THE CONTRACTOR SHALL FOLLOW ALL DIMENSIONS, DETAILS, AND STANDARDS WHEN INSTALLING PAVEMENT STRIPING, MARKINGS AND MARKERS.
- THE FINAL LONGITUDINAL STRIPING SHALL BE 60 MIL (0.060") THICK HOT-SPRAYED THERMOPLASTIC REFLECTORIZED STRIPING PLACED OVER THE TEMPORARY STRIPING WITHIN 14 TO 30 CALENDAR DAYS AFTER COMPLETION OF THE FINAL PAVEMENT SURFACE, OR AS DIRECTED BY THE TRAFFIC ENGINEER.
- ALL OTHER MARKINGS SHALL BE APPLIED AT THE SAME TIME. TEMPORARY STRIPING SHALL BE PAINT.
- ALL FINAL TRANSVERSE MARKINGS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC STRIPING (0.090").
- ALL PAVEMENT ARROWS AND LEGENDS SHALL BE HOT SPRAYED 90 MIL THERMOPLASTIC PAVEMENT MARKING (0.090"), EXTRUDED THERMOPLASTIC OR PREFORMED APPLICATIONS MAY BE USED IF APPROVED BY THE TRAFFIC ENGINEER.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF PAVEMENT MARKINGS ON FINAL SURFACE COURSE FOLLOWING CONTROL POINTS THAT HAVE BEEN SET NO MORE THAN 50 FEET APART ALONG THE LINES TO BE STRIPED. IN TANGENT SECTIONS OF A ROAD WHERE THE PAVEMENT MARKING PATTERN DOES NOT CHANGE, CONTROL POINTS CAN BE SET AT 200 FEET APART. THE LAYOUT AND INSPECTION OF ALL PAVEMENT MARKINGS SHALL BE APPROVED BY THE TRAFFIC ENGINEER PRIOR TO THE APPLICATION OF MATERIALS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT THE FINAL SURFACE COURSE IS PLACED SO THAT THE STRIPING IS OFFSET NO MORE THAN ONE FOOT CLEAR OF THE CONSTRUCTION JOINT, UNLESS OTHERWISE DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL CLEAN THE ROADWAY SURFACE TO THE SATISFACTION OF THE TRAFFIC ENGINEER BY SWEEPING AND AIR-JET BLOWING IMMEDIATELY PRIOR TO THE PLACEMENT OF ALL PAVEMENT MARKINGS. THE TEMPERATURE SHALL NOT BE LESS THAN 50 DEGREES F. FOR THE PLACEMENT OF HOT SPRAYED THERMOPLASTIC STRIPING, AND 40 DEGREES F. FOR THE PLACEMENT OF RPMs.
- BLUE RAISED PAVEMENT MARKERS SHALL BE PLACED ADJACENT TO FIRE HYDRANTS AS SHOWN ON SHEET 7-1 OF THE PC/COT PAVEMENT MARKING DESIGN MANUAL.
- FOR ALL CONSTRUCTION, ALL PAVEMENT MARKINGS AND SIGNING SHALL BE INSTALLED AND SHALL BE PAID FOR BY THE PROJECT OWNER/DEVELOPER.
- FINAL INSPECTION/ACCEPTANCE OF PAVEMENT MARKINGS SHALL BE PERFORMED BY THE TRAFFIC ENGINEER.

GENERAL SIGNING NOTES:

- ALL EQUIPMENT, MATERIALS AND CONSTRUCTION SHALL MEET OR EXCEED THE REQUIREMENTS CONTAINED IN THE CURRENT CITY OF TUCSON / PIMA COUNTY (COT/PC) "STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS" AND THE "STANDARD DETAILS FOR PUBLIC IMPROVEMENTS," THE SPECIAL PROVISIONS AND THE PLANS.
- ALL SIGNS SHALL BE IN COMPLIANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES, THE LATEST EDITION OF THE PIMA COUNTY/CITY OF TUCSON TRAFFIC SIGNING DESIGN MANUAL, THESE PLANS, AND THE SPECIAL PROVISIONS.
- SIGNS MAY BE MODIFIED AND LOCATIONS ADJUSTED TO FIT CONDITIONS AT THE DISCRETION OF THE TRAFFIC ENGINEER.
- THE DESIGN SPEED FOR THE ROAD IS 40. THE POSTED SPEED LIMIT IS 35. SIGN PLACEMENT SHALL BE BASED ON THE POSTED SPEED LIMIT.
- POST LENGTHS INDICATED ON SIGN SUMMARY SHEETS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL POST LENGTHS.
- ALL PERFORATED POSTS SHALL BE INSTALLED IN A CONCRETE FOUNDATION, UNLESS OTHERWISE DIRECTED BY THE TRAFFIC ENGINEER.
- ALL SIGN STATION LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY ACTUAL SIGN LOCATIONS WITH THE TRAFFIC ENGINEER PRIOR TO THE INSTALLATION OF ALL SIGNS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING ALL WORK WITH BLUE STAKE, FOR INSTALLING ALL TRAFFIC SIGNS IN THE FIELD AND FOR MAINTAINING ALL SIGNING UNTIL PROJECT IS APPROVED FOR "CONSTRUCTION ACCEPTANCE" BY PIMA COUNTY (FULLY OPEN TO TRAFFIC, ALL PUNCH LIST ITEMS ARE COMPLETED, AND ONE YEAR WARRANTIES BEGIN).
- ALL OVERHEAD MOUNTED SIGNS SHALL BE DIAMOND GRADE SHEETING, TYPE XI. ALL SCHOOL SIGNS SHALL BE FLUORESCENT YELLOW/GREEN, DIAMOND GRADE SHEETING, TYPE XI. ALL OTHER SIGNS SHALL BE HIGH INTENSITY PRISMATIC SHEETING, TYPE IV. ALL GROUND MOUNTED SIGNS SHALL HAVE AN ANTI GRAFFITI COATING APPLIED TO SIGN FACE, 3M #1160 FILM OR EQUIVALENT.
- ALL NEW SIGNS SHALL HAVE 0.080 GAUGE, RADIUS CORNER, ALUMINUM BACKING UNLESS OTHERWISE NOTED.
- PRIOR TO DISTURBING ANY TRAFFIC SIGNS, A SIGN CONDITION INVENTORY OF ALL EXISTING SIGNING SHALL BE CONDUCTED BY THE CONTRACTOR AND PROVIDED TO THE SIGN SHOP SUPERVISOR (520-791-3159). INVENTORY SHALL INDICATE CURRENT SIGN LOCATION AND CONDITION, INCLUDING ANY EXISTING DAMAGE OR DEFICIENCIES.
- ANY SIGNS AND POSTS BEING RE-USED ON THIS PROJECT SHALL BE STOCKPILED IN A MANNER TO AVOID DAMAGE AND MAINTAIN THE INTEGRITY OF THE SIGNS. SAFE STORAGE OF STOCKPILE AND PAYMENT FOR DAMAGE TO STOCKPILE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.
- ALL SIGNS AND POSTS NOT BEING RE-USED ON THE PROJECT SHALL BE DISMANTLED, STACKED AND DELIVERED TO THE OWNER (CITY) BY THE CONTRACTOR. THE CONTRACTOR IS RESPONSIBLE FOR THE SAFE STORAGE AT THE CONSTRUCTION SITE UNTIL DELIVERY, AND THE SAFE UNLOADING OF THE SALVAGED MATERIAL. NOTIFICATION OF DELIVERY SHALL BE MADE AT LEAST TWO WORKING DAYS PRIOR TO DELIVERY (48 HOURS).
- SUBMIT SHOP DRAWINGS TO TRAFFIC ENGINEERING, 520-791-4259, FOR APPROVAL BEFORE FABRICATING STREET NAME SIGNS.



SIGN NO.	STATION	SIGN CODE	LEGEND	W (IN)	H (IN)	AREA (SQIN)	POST TYPE	POST LENGTH
1	14+97.48, 62.00' RT	R1-1	STOP	30	30	900	2" SQ. TUBE	12'
2	19+74.84, 62.00' RT	R1-1	STOP	30	30	900	2" SQ. TUBE	12'
3	21+45.78, 43.42' RT	R4-4	BEGIN RIGHT TURN LANE, YIELD TO BIKES	36	30	1080	2" SQ. TUBE	12'
4	23+16.26, 53.81' RT	R3-5RP	RIGHT LANE	30	12	360	2" SQ. TUBE	12'
		R3-5R	RIGHT ONLY	30	36	1080		
5	24+26.43, 53.62' RT	R3-5RP	RIGHT LANE	30	12	360	2" SQ. TUBE	12'
		R3-5R	RIGHT ONLY	30	36	1080		
6	27+50.00, 44.00' RT	R2-1	SPEED LIMIT: 35 MPH	30	36	1080	2" SQ. TUBE	12'

LINE SERIES	COLOR	DESCRIPTION	WIDTH (IN)	TOTAL LENGTH (FT)	RAISED PAVEMENT MARKER (RPM)	SPACING
WG6	WHITE	GUIDE (2" STRIPE W/6" GAP) - GUIDE LINES FOR BICYCLE LANES ACROSS TURN LANE ENTRANCES	6	698'		
WS6	WHITE	SOLID - LEFT EDGE OF BICYCLE LANE	6	4277'		
WB4-G40	WHITE	BROKEN (10' STRIPE W/30' GAP) - LANE LINE BETWEEN TRAVEL LANES IN THE SAME DIRECTION WHERE CHANGING LANES IS PERMITTED	4	5326'	TYPE "G" (WHITE)	40
WS8-G20	WHITE	SOLID - LANE LINES BETWEEN TRAVEL LANES IN THE SAME DIRECTION WHERE CHANGING LANES IS DISCOURAGED	8	222'	TYPE "G" (WHITE)	20
YDS4-D40/D40	YELLOW	DOUBLE SOLID - CENTER LINE THAT SEPARATES TRAVEL LANES IN OPPOSITE DIRECTIONS WHERE PASSING ON LEFT SIDE OF DOUBLE YELLOW LINE IS PROHIBITED IN BOTH DIRECTIONS	*4-4-4	406'	TYPE "D" (YELLOW)	40
YSB4-D40/D40	YELLOW	SOLID & BROKEN - SEPARATES TRAVEL LANES IN OPPOSITE DIRECTIONS WHERE PASSING IS PERMITTED IN ONE DIRECTION AND PROHIBITED IN THE OPPOSITE DIRECTION	*4-4-4	4137'	TYPE "D" (YELLOW)	40

STRIPING AND SIGNAGE NOTES AND DETAILS

NO.	DATE	REVISION	BY	CHKD.	APPR.

CITY OF TUCSON

Professional Engineer (Civil)

16245 PATRICK W. MARUM

Expires 09-30-21

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY

Approvals	Signatory	Date

Approved: _____ 20__

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2016-007

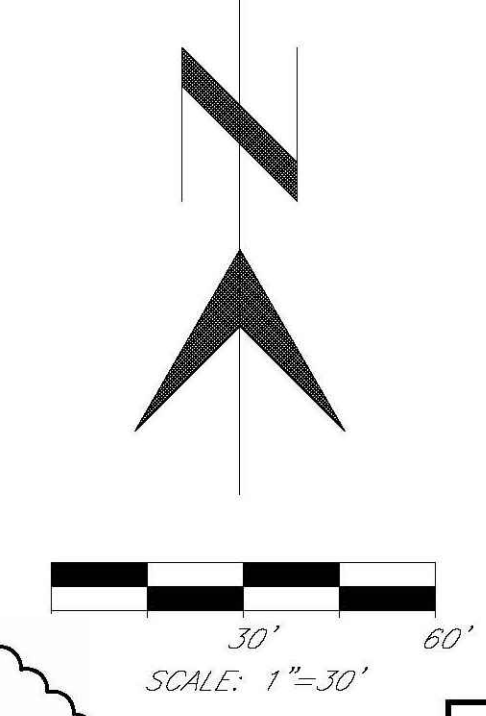
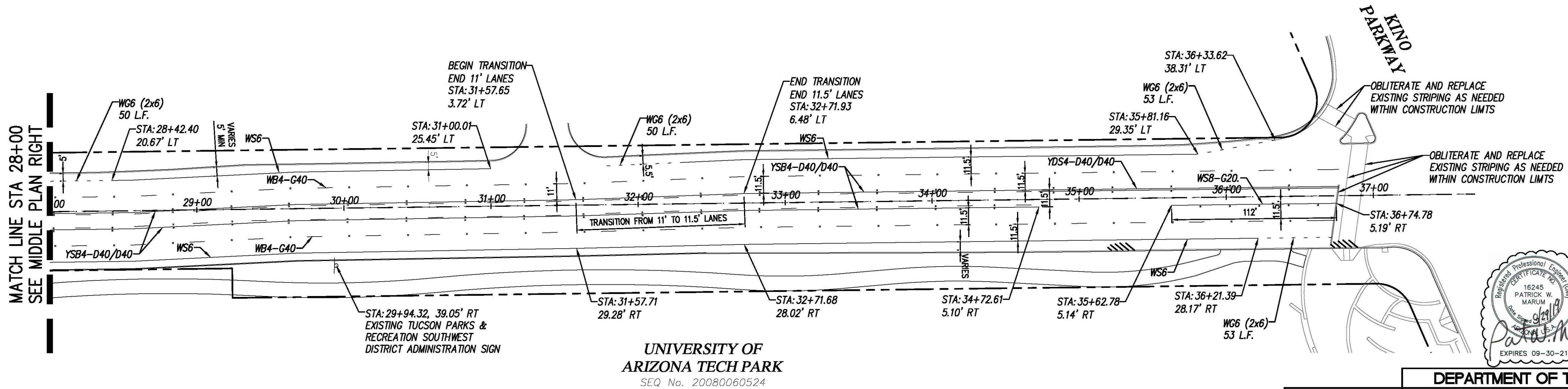
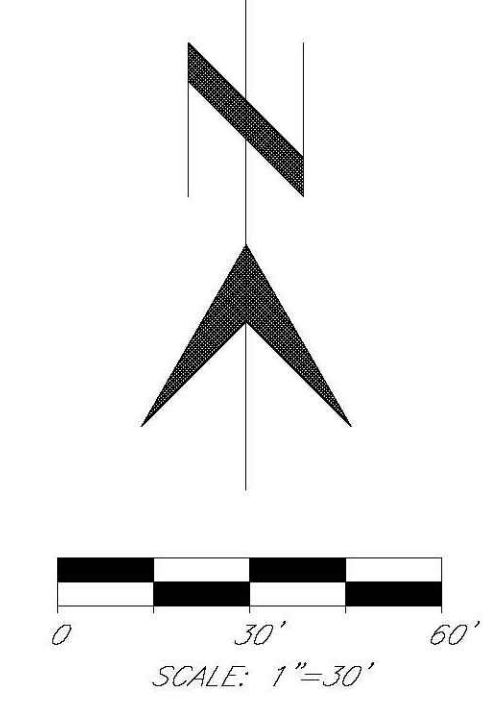
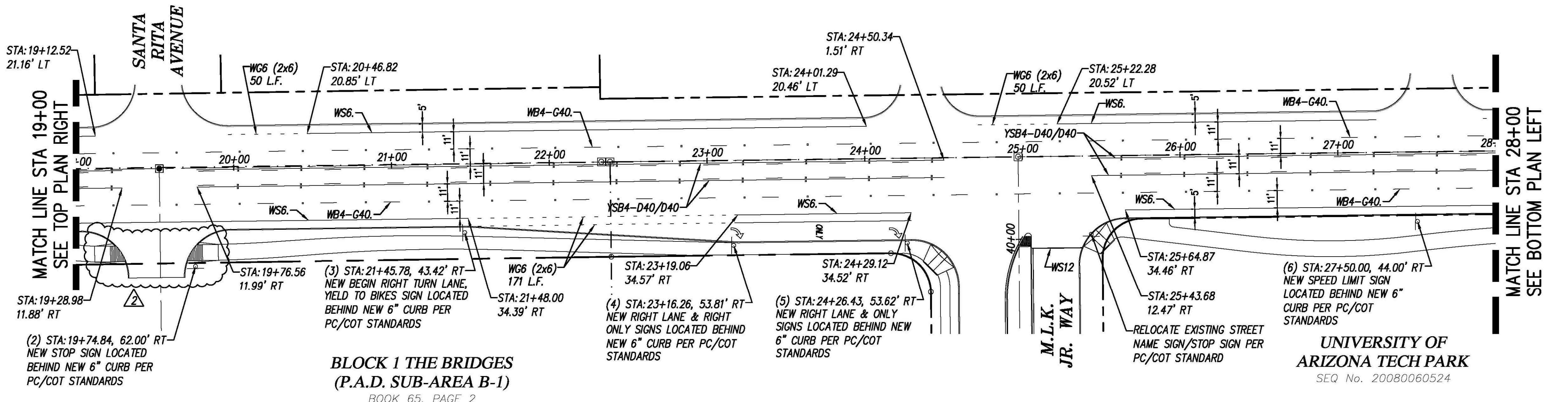
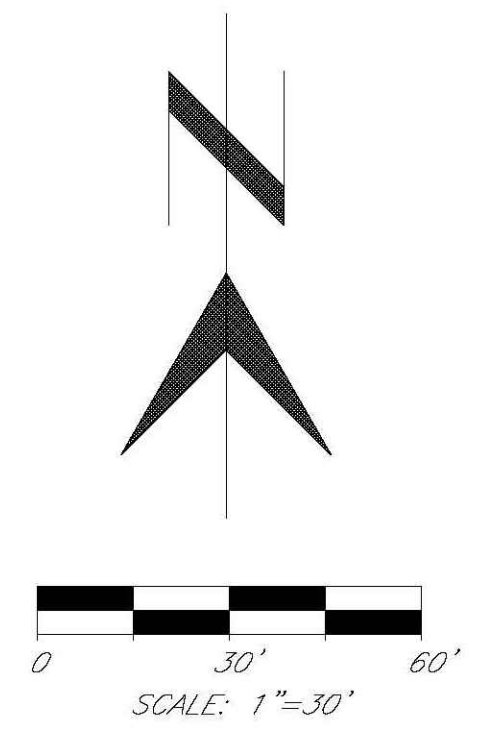
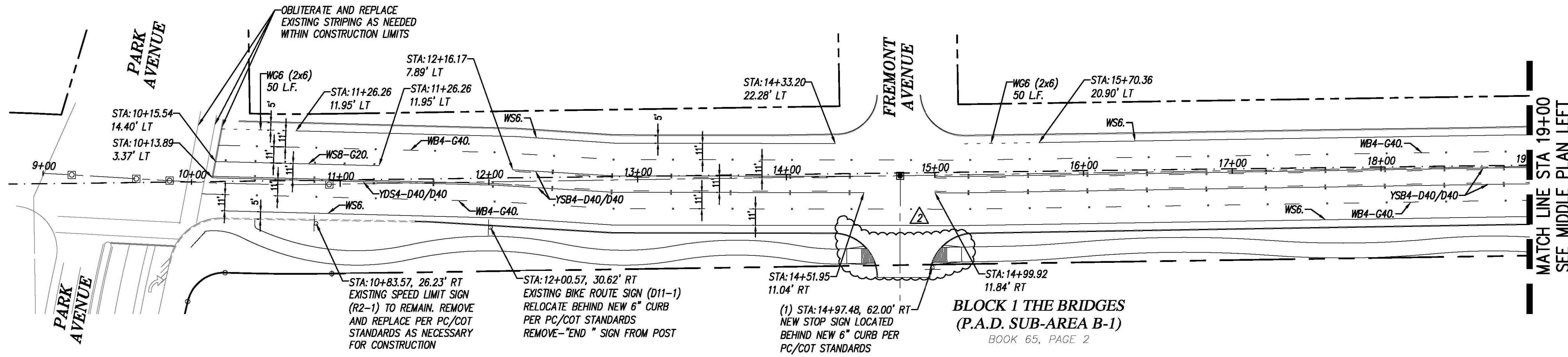
MARUM & ASSOCIATES ENGINEERING, LLC

2730 E Broadway Blvd., Ste. 250
Tucson, AZ 85716
PHONE: (520) 448-4440

Record Document
Dated: 02/03/2026

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Record Document
 Dated: 02/03/2026

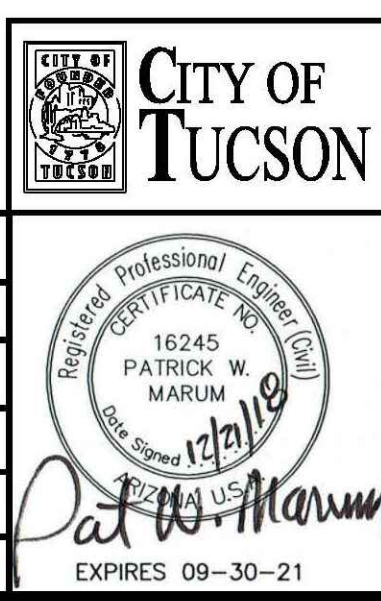


MARUM & ASSOCIATES ENGINEERING, LLC
 2730 E Broadway Blvd., Ste. 250
 Tucson, AZ 85716
 PHONE: (520) 448-4440

UNIVERSITY OF ARIZONA TECH PARK
 SEQ No. 20080060524

STRIPING AND SIGNAGE PLAN

NO.	DATE	REVISION	BY	CHKD.	APPR.
1	8/28/19	BLOCK 1 DRIVE REVISION	JHW	PM	



DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

**36TH STREET
 PARK AVENUE TO KINO PARKWAY**

Approvals	Signatory	Date	Approved	20	9
TRANSPORTATION DIRECTOR					25
REF. XX-XX-XX SCALE: AS SHOWN					
DRWN. BY JHW 20 18 DSGN. BY PWM 20 18 CHKD. BY PWM 20 18					PLAN NO. I-2016-007

LIGHTING NOTES

1. All equipment/materials and construction shall meet or exceed the requirements contained in the current PAG "Standard Specifications for Public Improvements" and "Standard Details for Public Improvements", and the Supplemental Specifications provided in these plans. "Standard Specifications for Public Improvements" and "Standard Details for Public Improvements", and the Supplemental Specifications provided in these plans.
2. The exact location of each street light pole, pull boxes, cabinet, ground rods, and conduit runs shall be approved by the Engineer prior to excavation and installation.
3. Each pole shall be connected per the circuit designation indicated on the plans.
4. The Contractor is responsible for locating all utilities whether shown on the plans or not and shall protect them from damage.
5. Pull boxes shall be pre-cast reinforced concrete, with flared walls, modified so that the lids can be secured with through bolts. All pull boxes shall be installed with a 6-inch concrete collar per PC/COT Std Dtl T 106.
6. Conduit locations shown on the plans are schematic. The Contractor should locate the conduit to avoid conflicts with other utilities, landscaping, and monument signing.
7. The street light load center cabinet shall be metered, Myers MEUG461-M100-AZ, 240/480V, 1-phase, 3 wire, 100A. Provide appropriate circuit breakers.
8. The Contractor shall complete and submit the application for electrical service for the new street lighting, and the Contractor shall pay all associated costs/fees for establishing electrical service.
9. **Street Lighting Equipment:**

36th Street:

Luminaire - American Electric Lighting LED, Autobahn Series ATB2 60 LED 480V, Type III, 3000k CCT luminaire (order no. ATB2 60B LED E10480R33KN P7). Each luminaire shall include a 7-pin photocontrol receptacle with Acuity Brands ROAM Communication Photocontrol (model 04-00015-007480VAC 50/60 HZ REN480DVXAOG).

Pole - Refer to Summary Table.

ML King Jr. Way:

Luminaire - Pacific Electric, Model HGL 100W LED 240V, 3000k, Type III distribution, flat glass lens, custom gray finish (RAL #7012). Each luminaire shall have a 10-year warranty and include a 7-pin photocontrol receptacle with photocell.

Pole - Cooper Lighting, LMA102B-XG (mast arm), RTS8A35SP (35' pole), custom gray finish (RAL #7012).

LEGEND

- New Metered Street Light Load Center Cabinet
- New Transformer
- No 7 Pull Box, W/Extension; Lid Etching - "Street Lighting" or "Traffic Signal"
- No 7 Pull Box; Lid Etching - "Street Lighting" or "Traffic Signal"
- No 3 1/2 Pull Box; Lid Etching - "Street Lighting"
- New Street Light Conduit (Size as Noted)
- New Street Light
- New Street Light
- New Ground Rod
- Exist Street Light
- Exist Street Light

GENERAL CONSTRUCTION NOTES

1. Utility locations shown on plans were compiled based on the best information available. Utility locations are not intended to be exact or complete. Two (2) full working days prior to commencing construction, the Contractor shall contact Blue Stake, 1-800-782-5348, to verify the location of all utilities with the appropriate organizations. Field adjustments for the placement of conduit, pull boxes, street light pole foundations, and street light poles, as directed by the Engineer, shall be used to avoid conflicts with existing underground or overhead utilities. The Contractor shall pothole utilities as needed or as directed by the Engineer to verify locations. This work shall be considered incidental to the other related items of work.
2. The Contractor shall take precautions not to damage water facilities that are in the area of construction. The Contractor will be responsible for any damage.
3. At pole foundations close to existing water mains, maintain a minimum of five (5) feet horizontal distance from outside of foundation to the outside of pipe. Minimum horizontal separation between existing water mains and electrical conduit is five (5) feet from outside water line to outside of electric conduit. Minimum vertical separation is one (1) foot from outside water line to outside electrical conduit.
4. Contractor shall pothole existing water mains behind curb prior to street light pole foundation work. This work shall be considered incidental to the pole foundation work.
5. For ground rods and pole foundations close to existing sanitary sewer, maintain a minimum of two (2) feet horizontal distance from outside of foundation to the outside of sanitary sewer pipe. The Contractor shall pothole to verify sewer location prior to foundation excavation. Note clearance information provided on the plans.
6. The City shall not be held liable or responsible for any errors and or omissions on these plans. Items not meeting City standards shall be repaired or replaced at no cost to the City.
7. Minimum horizontal and vertical separation between existing gas distribution facilities such as gas lines and the new street lighting conduit, pull boxes, ground rods, and pole foundations shall be one (1) foot.
8. The Contractor shall exercise extreme caution when excavating near all Southwest Gas facilities. The Contractor shall support and/or protect in place all gas distribution and service facilities that are exposed during the installation of the lighting improvements associated with the project.
9. Minimum horizontal and vertical separation between existing communication distribution facilities and the new street lighting conduit, pull boxes, ground rods, and pole foundations shall be one (1) foot.
10. The Contractor shall use extreme caution when excavating near all communication facilities. The Contractor shall support and/or protect in place all existing communication distribution facilities that are exposed during the installation of the lighting improvements associated with the project.
11. The Contractor's attention is directed to A.R.S. 40-360.41 thru 360.44 for restrictions on work in the vicinity of overhead power lines. The Contractor shall not operate power equipment placed so that any extension of the equipment and/or load carried by the equipment can reach to within 10 feet of active power lines rated at or under 50 kilovolts. Greater clearances apply for higher voltage power lines. Where work within the clearance limits is necessary, the Contractor shall contact TEP 10 working days in advance of the proposed work, to arrange for temporary deactivation, or other measures deemed necessary to permit safe operation near the overhead lines. Where excavation near existing power poles is planned, the Contractor shall contact TEP 10 working days in advance, to arrange for bracing and shoring. Before the end of the work shift each day, the Contractor shall provide drivable access to all TEP poles, equipment, and facilities.
12. The Contractor shall exercise caution when excavating in the vicinity of sanitary sewer lines. Immediately report any release of sewage, and/or any damage to, or the dropping of debris into, the public sanitary sewage conveyance system, to either PCRWRD Field Engineering (520 740-2651) or PCRWRD Field Operations (520 326-4333). On weekends, holidays, or between 5:00 p.m. and 8:00 a.m., immediately call the Pima County Sheriff's Communication Center at 520 295-4595 or 520 791-4911 and request a PCRWRD Representative be dispatched to the site. Take immediate action to prevent or contain the sanitary sewage overflow (SSO) from the sewer system. The Contractor shall be responsible for all costs to repair the sewer system, for all expenses to mitigate the release and to disinfect the release area, and for any regulatory penalties levied on PCRWRD because SSO entered a natural or constructed storm water drainage system. The Contractor shall repair all damage as directed and approved by PCRWRD Field Engineering Manager.

STREET LIGHT SUMMARY TABLES

36th Street					
SL No.	Sta	Offset	Circuit No.	Pole	Foundation*
1	12+82	43.6' Rt	1	2B	C
2	14+23	43.6' Rt	1	2B	C
3	15+65	44.6' Rt	1	2B	C
4	17+06	44.5' Rt	1	2B	C
5	18+48	44.3' Rt	1	2B	C
6	19+90	44.4' Rt	1	2B	C
7	21+30	44.4' Rt	1	2B	C
8	22+72	70.0' Rt	1	2B	C
9	24+35	64.8' Rt	2	G W/20' Luminaire Mast Arm	Std Dtl T 407**
10	24+45	75.3' Rt	2	F W/20' Luminaire Mast Arm	Std Dtl T 406***
11	25+58	57.9' Rt	2	R W/20' Luminaire Mast Arm	Std Dtl T 413***
12	26+98	44.6' Rt	2	2B	C
13	28+38	44.6' Rt	2	2B	C
14	29+71	43.7' Rt	2	2B	C
15	31+18	43.5' Rt	2	2B	C
16	32+64	43.4' Rt	2	2B	C
17	34+06	43.3' Rt	2	2B	C
18	35+28	45.3' Rt	2	2B	C
ML King Jr. Way					
SL No.	Sta	Offset	Circuit No.	Pole	Foundation
19	12+16	52.7' Lt	3	35' Cooper Lighting	Dtl SLD
20	13+59	52.9' Lt	4	35' Cooper Lighting	Dtl SLD
21	15+76	52.6' Lt	3	35' Cooper Lighting	Dtl SLD
22	17+61	52.4' Lt	4	35' Cooper Lighting	Dtl SLD
23	19+63	52.9' Lt	3	35' Cooper Lighting	Dtl SLD
24	21+16	52.4' Lt	4	35' Cooper Lighting	Dtl SLD
25	23+17	52.8' Lt	3	35' Cooper Lighting	Dtl SLD
26	25+25	52.4' Lt	4	35' Cooper Lighting	Dtl SLD
27	26+90	52.7' Lt	3	35' Cooper Lighting	Dtl SLD
28	28+50	52.3' Lt	4	35' Cooper Lighting	Dtl SLD
29	30+13	52.7' Lt	3	35' Cooper Lighting	Dtl SLD
30	31+96	52.6' Lt	4	35' Cooper Lighting	Dtl SLD
31	33+75	52.6' Lt	3	35' Cooper Lighting	Dtl SLD
32	35+62	52.7' Lt	4	35' Cooper Lighting	Dtl SLD
33	37+01	52.8' Lt	3	35' Cooper Lighting	Dtl SLD
34	38+68	52.4' Lt	4	35' Cooper Lighting	Dtl SLD

* Refer to Foundation Notes
 ** Refer to Construction Note F
 *** Refer to Construction Note G

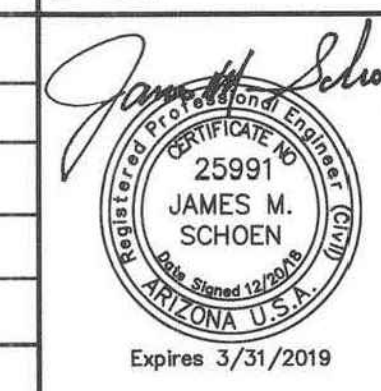
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 Dated: 02/03/2026



STREET LIGHTING NOTES
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

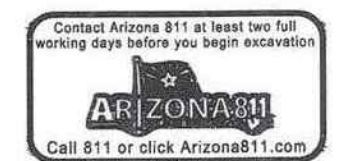
36TH STREET; PARK AVE TO KINO PKWY
 ML KING JR. WAY; TUCSON MARKETPLACE TO 36TH STREET

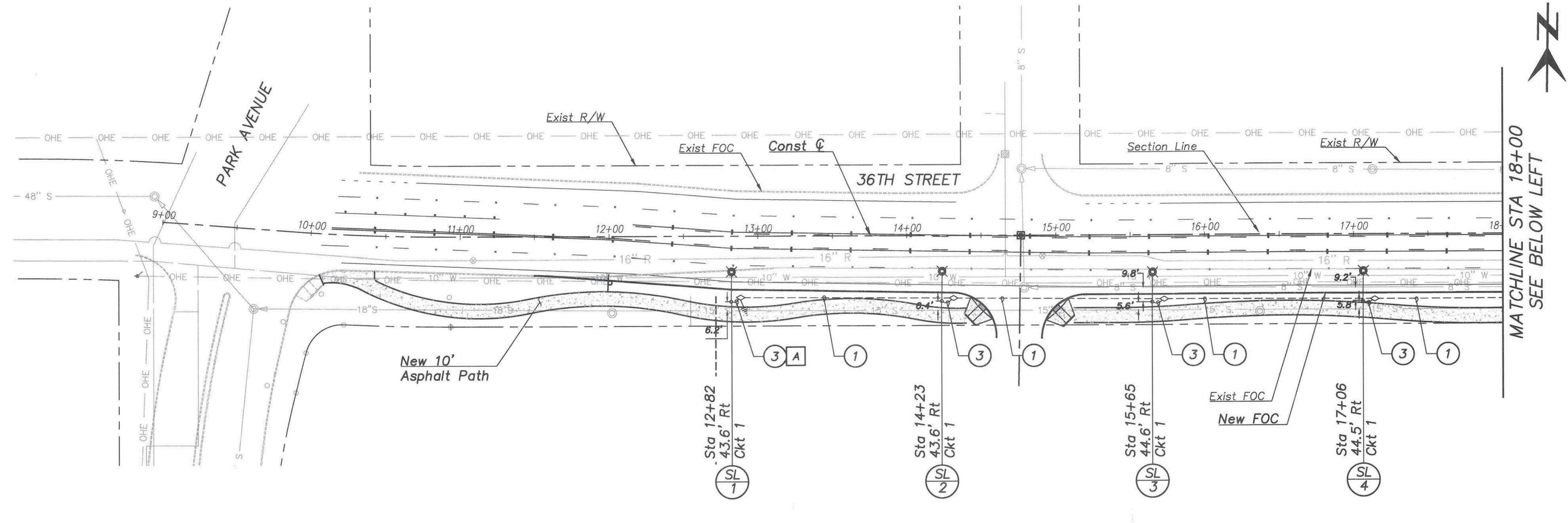
Approval	Signature	Date	Approved _____ 20__	10
				OF
				25
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX SCALE: AS SHOWN				
PLAN NO. I-2018-007				



NO.	DATE	REVISION	BY	CHKD.	APPR.

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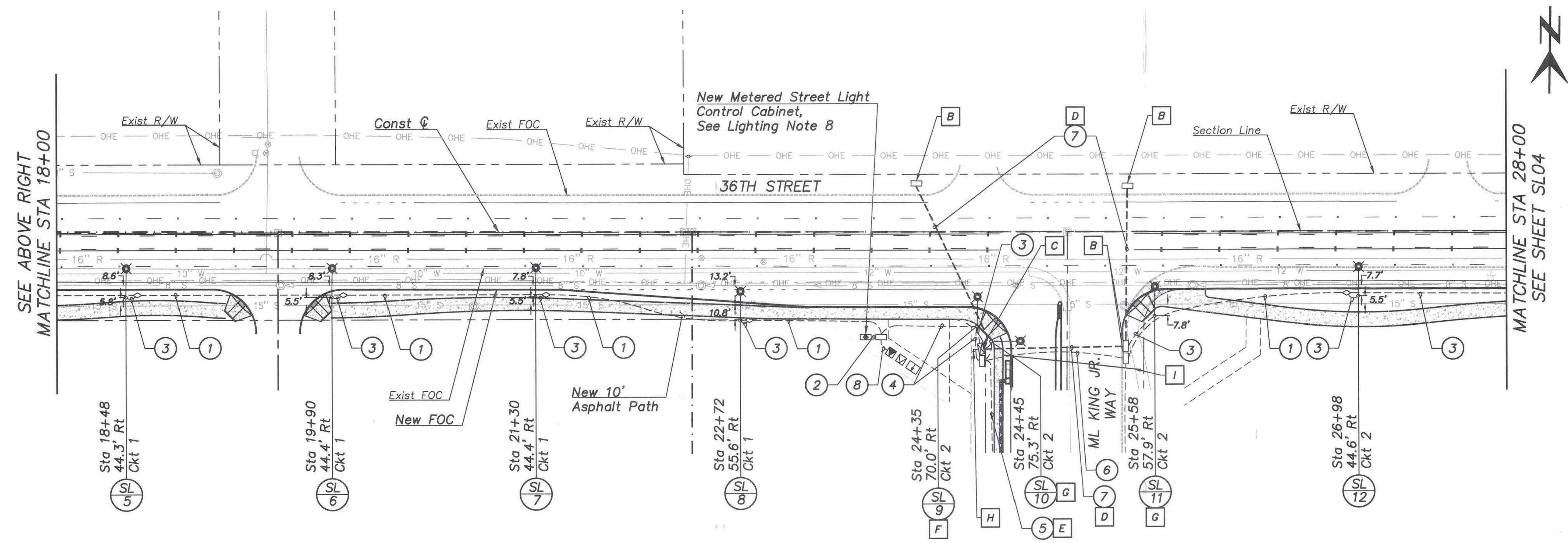




- Conduit/Conductors**
- ① (1)-2" Conduit W/
(2)-#10 Conductors
(1)-#8 Bare Bond
 - ② (1)-2" Conduit W/
(4)-#8 Conductors
(1)-#8 Bare Bond
 - ③ (1)-2" Conduit W/
(2)-#12 Conductors
(1)-#8 Bare Bond
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(2)-#10 Conductors
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(1)-#8 Bare Bond
 - ⑤ (1)-2" Conduit W/
(4)-#6 Conductors
(1)-#8 Bare Bond
 - ⑥ (1)-4" Conduit W/
(2)-#10 Conductors
(1)-#8 Bare Bond
 - ⑦ (2)-4" Conduit W/
Traceable 2500lb
Pull Rope
 - ⑧ (1)-2½" Conduit
Conductors by TEP

Construction Notes

- A Install Ground Rod
In PB
- B Install No. 7 PB
For Future Traffic Signal
- C Install No. 7 PB W/Ext
For Future Traffic Signal
- D Install Conduit
For Future Traffic Signal
- E 240 V Circuit To Lighting
On West Side Of M.L King
Jr. Way. Refer To Sht SL05
- F Install (2) 2" Conduits In
Pole Foundation. Run One
To Street Light PB And One
To Traffic Signal PB
- G Install (1) 2" Conduit And
(1) 3" Conduit In Pole
Foundation. Run 2" Conduit
To Street Light PB And 3"
Conduit To Traffic Signal PB
- H Install 2½" Conduit Stub Out
From Traffic Signal PB
- I Install 4" Sleeve For Future
Electrical



Record Document
Dated: 02/03/2026

KITTELSON & ASSOCIATES
2 E CONGRESS STREET, SUITE 705
TUCSON, AZ 85701
P 520.544.4067 F 520.544.9616

STREET LIGHTING
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVE TO KINO PKWY

Approvals	Signature	Date	Approved _____ 20__	12
				OF
				25
			TRANSPORTATION DIRECTOR	
			REF. XX-XX-XX	SCALE: AS SHOWN
			PLAN NO. I-2018-007	

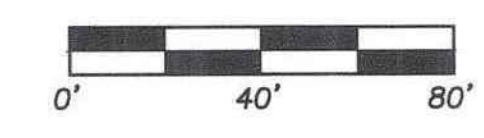
CITY OF TUCSON

James M. Schoen

25991
JAMES M. SCHOEN
TUCSON, AZ
EXPIRES 3/31/2019

NO.	DATE	REVISION	BY	CHKD.	APPR.

I:\191993 - 36th Street Lighting\design\20180303.dwg SLDJ Last Saved: Fri, 21 Dec 2018 8:08:39 AM
 Contact Arizona 911 at least two full working days before you begin excavation
 ARIZONA 911
 Call 911 or click Arizona911.com



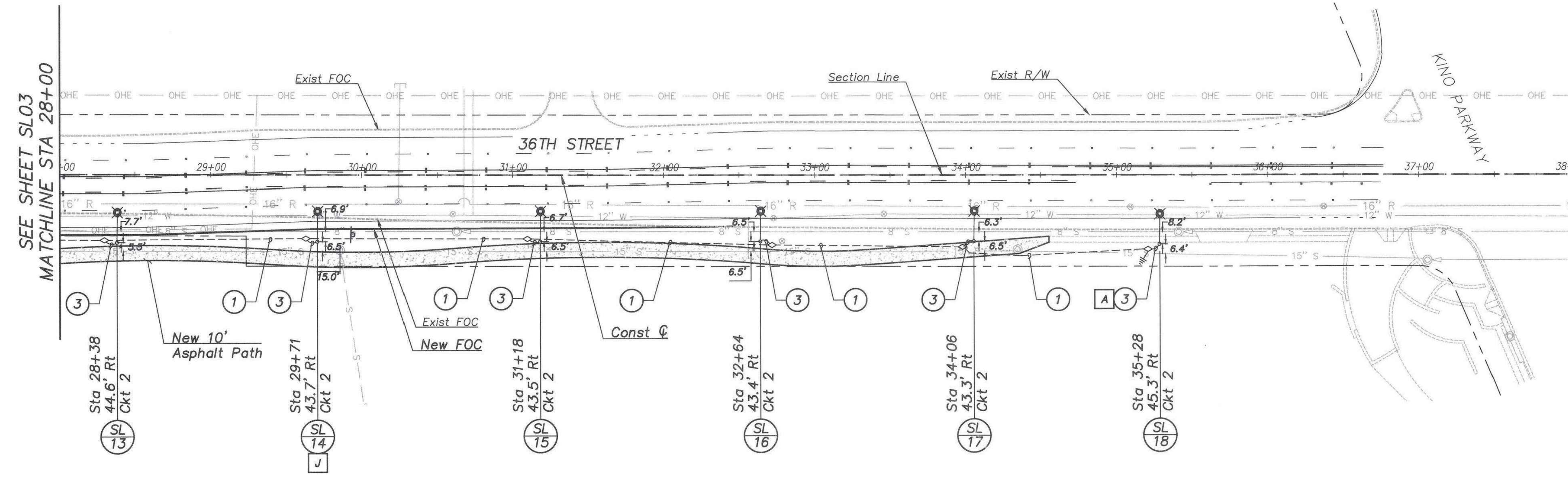


Conduit/Conductors

- ① (1)-2" Conduit W/
(2)-#10 Conductors
(1)-#8 Bare Bond
- ③ (1)-2" Conduit W/
(2)-#12 Conductors
(1)-#8 Bare Bond

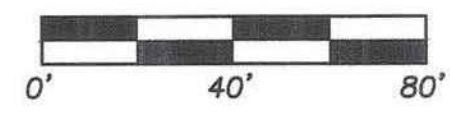
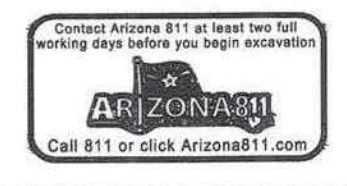
Construction Notes

- A Install Ground Rod
In PB
- J Min 15' Center Of Pole
Foundation To Center Of
Sewer Manhole



SEE SHEET SLO3
MATCHLINE STA 28+00

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Record Document
Dated: 02/03/2026



2 E CONGRESS STREET, SUITE 705
TUCSON, AZ 85701
P 520.544.4067 F 520.544.9616

STREET LIGHTING
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION



James M. Schoen
25991
JAMES M.
SCHOEN
Professional Engineer
No. 12599
Arizona, U.S.A.
Expires 3/31/2019

36TH STREET
PARK AVE TO KINO PKWY

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date

Approved _____ 20__ 13 OF 25

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

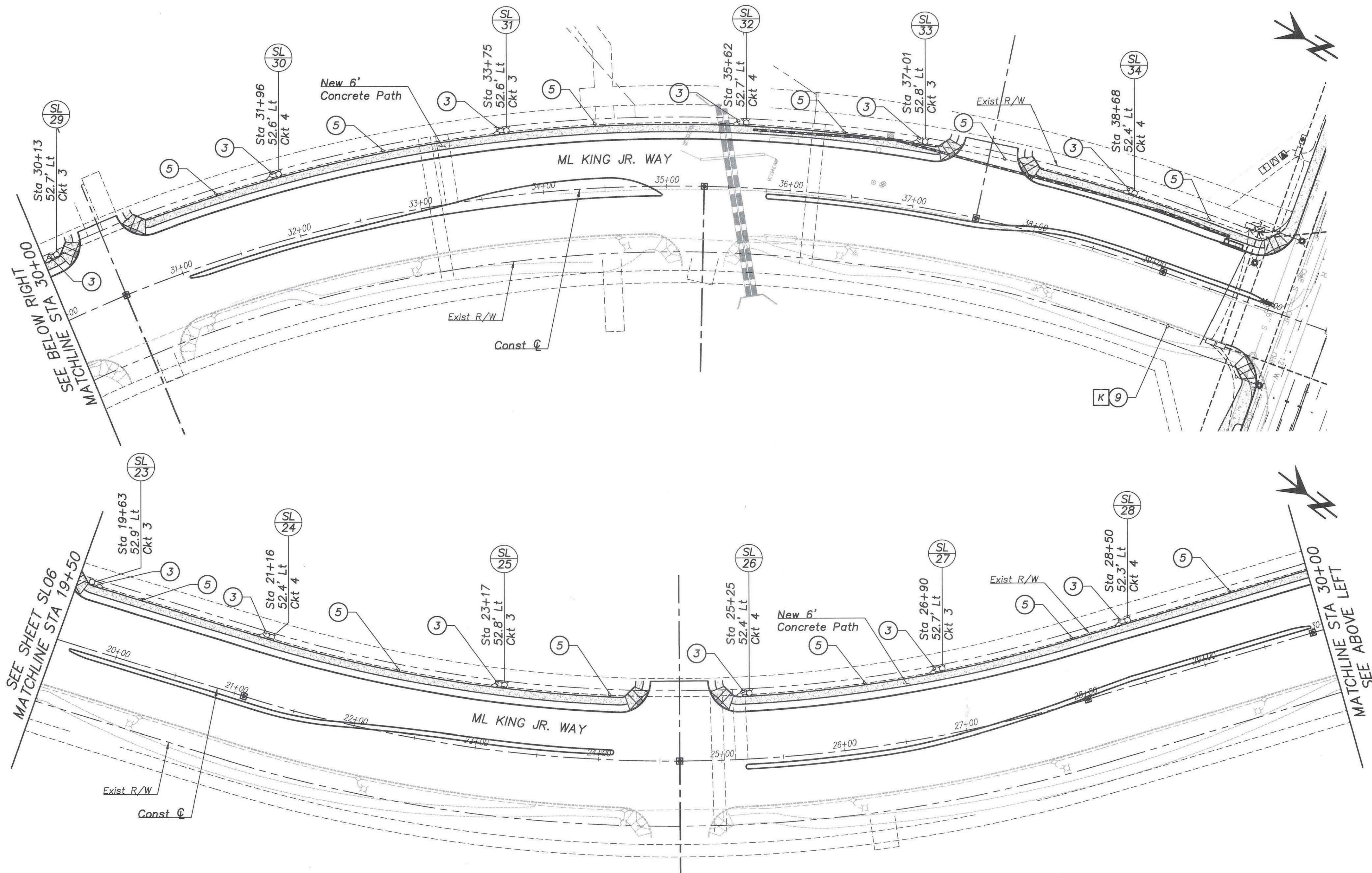
DRWN. BY DJG 20.18 DSGN. BY LMW 20.18 CHKD. BY JMS 20.18 PLAN NO. I-2018-007

Conduit/Conductors

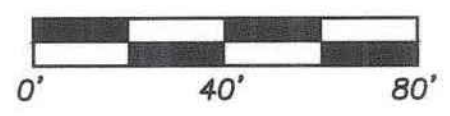
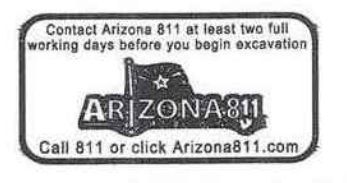
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(2)-#12 Conductors
(1)-#8 Bare Bond
- 5 (1)-2" Conduit W/
(4)-#6 Conductors
(1)-#8 Bare Bond
- 9 (1)-2" Conduit W/
Traceable 2500lb
Pull Rope

Construction Notes

- K Connect To Exist Street
Light PB



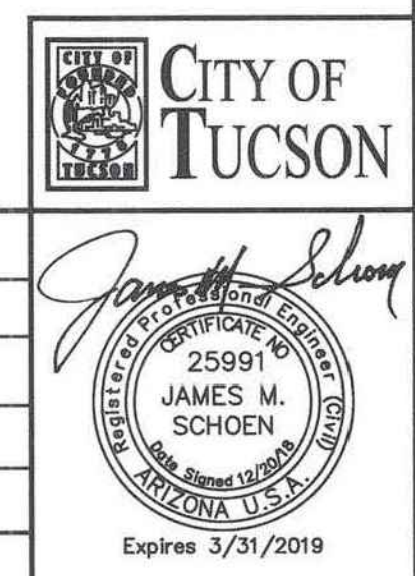
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Dated: 02/03/2026

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P 520.544.4067 F 520.544.9616

STREET LIGHTING
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION



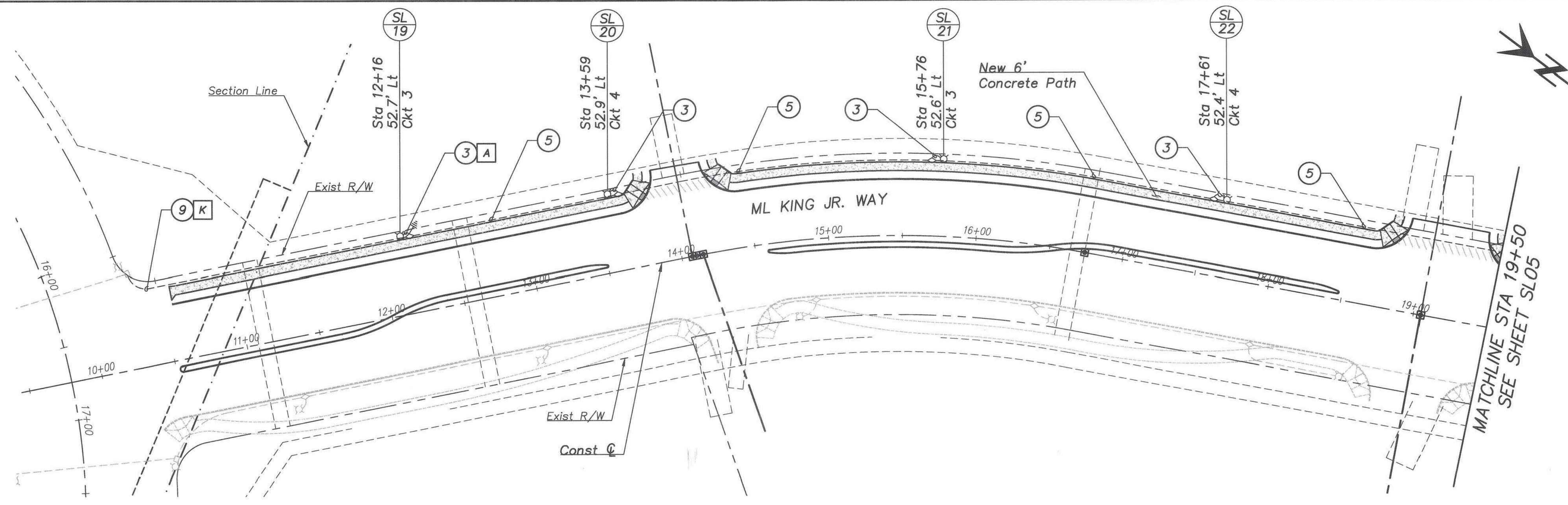
ML KING JR. WAY
 TUCSON MARKETPLACE TO 36TH STREET

NO.	DATE	REVISION	BY	CHKD.	APPR.

Approvals	Signatory	Date

Approved _____ 20__	14
OF	25
TRANSPORTATION DIRECTOR	
REF. XX-XX-XX SCALE: AS SHOWN	
DRWN. BY DJG 20 18 DSGN. BY LMW 20 18 CHKD. BY JMS 20 18	PLAN NO. I-2018-007

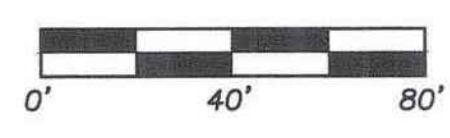
James M. Schoen
 CERTIFICATE NO. 2599
 JAMES M. SCHOEN
 Licensed Professional Engineer
 State of Arizona U.S.A.
 Expires 3/31/2019



- Conduit/Conductors**
- ③ (1)-2" Conduit W/
(2)-#12 Conductors
(1)-#8 Bare Bond
 - ⑤ (1)-2" Conduit W/
(4)-#6 Conductors
(1)-#8 Bare Bond
 - ⑨ (1)-2" Conduit W/
Traceable 2500lb
Pull Rope

- Construction Notes**
- A Install Ground Rod
In PB
 - K Connect To Exist Street
Light PB

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Record Document
Dated: 02/03/2026

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P:520.544.4067 F:520.544.9616

STREET LIGHTING
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

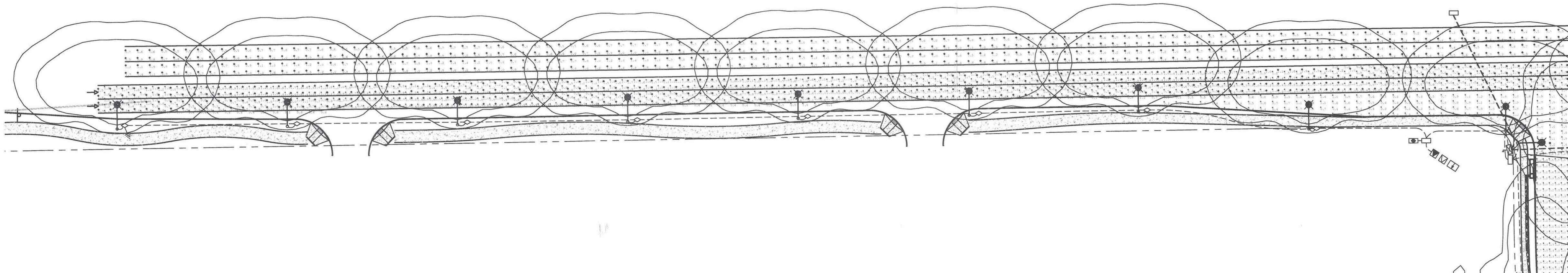
CITY OF TUCSON

<p>ML KING JR. WAY TUCSON MARKETPLACE TO 36TH STREET</p>			Approved _____ 20__ 15 OF 25 TRANSPORTATION DIRECTOR
APPROVALS _____ _____ _____	SIGNATORY _____ _____ _____	DATE _____ _____ _____	REF. XX-XX-XX SCALE: AS SHOWN PLAN NO. I-2018-007

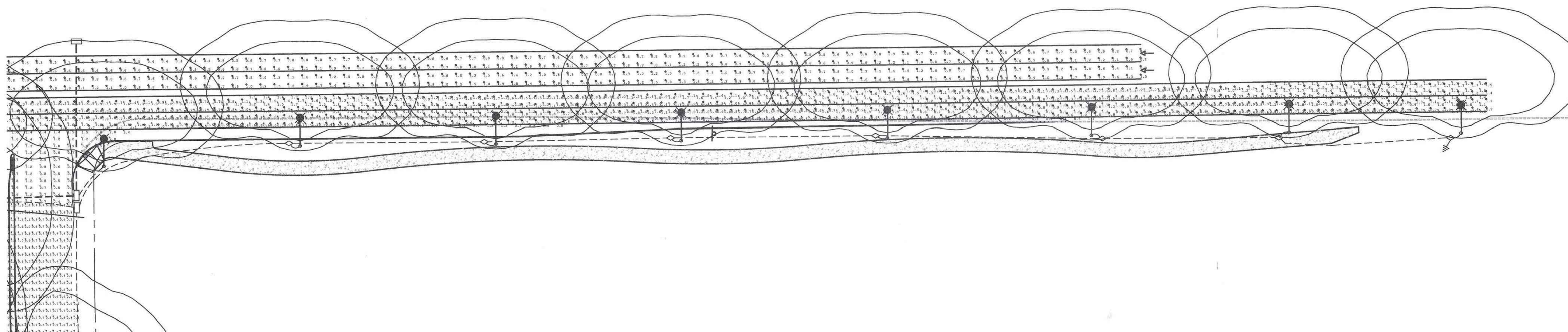
NO.	DATE	REVISION	BY	CHKD.	APPR.

DRWN. BY DJG 20 18 DSGN. BY LMW 20 18 CHKD. BY JMS 20 18

AGi32 Photometric Luminance
36th Street – West of ML King Jr. Way



AGi32 Photometric Luminance
36th Street – East of ML King Jr. Way



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 Plot: Friday, December 21, 2018 8:07:08 AM



Record Document
Dated: 02/03/2026

KITTELSON & ASSOCIATES
 2 E CONGRESS STREET, SUITE 705
 TUCSON, AZ 85701
 P:520.544.4067 F:520.544.9616

STREET LIGHTING
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION



36TH STREET
 PARK AVE TO KINO PKWY STREET LIGHTING ANALYSIS

NO.	DATE	REVISION	BY	CHKD.	APPR.

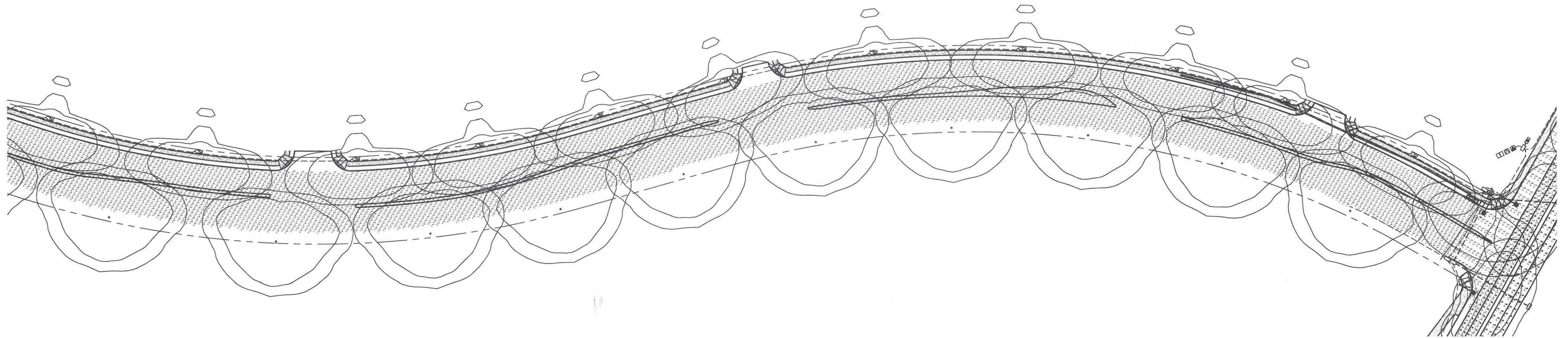
James M. Schoen
 25991
 JAMES M. SCHOEN
 PROFESSIONAL ENGINEER
 ARIZONA U.S.A.
 Expires 3/31/2019

Approvals	Signatory	Date

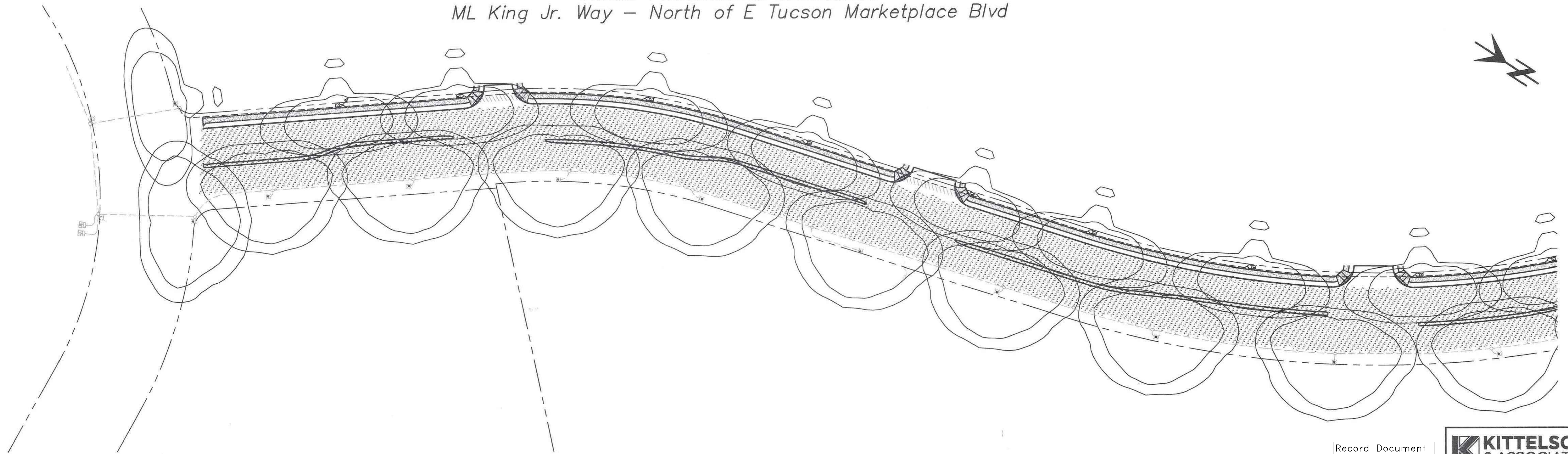
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	25
TRANSPORTATION DIRECTOR	
REF. XX-XX-XX SCALE: AS SHOWN	
PLAN NO. I-2018-007	

DRWN. BY DJG 20 18. DSGN. BY ABB 20 18. CHKD. BY JAS 20 18.

AGi32 Photometric Luminance
ML King Jr. Way – South of 36th Street



AGi32 Photometric Luminance
ML King Jr. Way – North of E Tucson Marketplace Blvd



Record Document
Dated: 02/03/2026

KITTELSON & ASSOCIATES
2 E CONGRESS STREET, SUITE 705
TUCSON, AZ 85701
P 520.544.4067 F 520.544.9616

STREET LIGHTING
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

ML KING JR. WAY
TUCSON MARKETPLACE TO 36TH STREET STREET LIGHTING ANALYSIS

Approvals	Signatory	Date	Approved _____ 20__	17
				OF
				25
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX SCALE: AS SHOWN				
PLAN NO. I-2018-007				

CITY OF TUCSON
JAMES M. SCHOEN
25991
EXPIRES 3/31/2019

NO.	DATE	REVISION	BY	CHKD.	APPR.

DRWN. BY DJG 20 18. DSGN. BY ABB 20 18. CHKD. BY JAS 20 18.



LANDSCAPE PLANS FOR 36TH STREET WIDENING PIA PARK AVENUE TO KINO PARKWAY BOOK 5, PAGE 67 BOOK 65, PAGE 2 TUCSON, ARIZONA PLAN NO. I-2018-XXX

GENERAL LANDSCAPE NOTES

1. THE CONTRACTOR SHALL FOLLOW THE LANDSCAPE PLAN AS CLOSELY AS POSSIBLE. ANY DISCREPANCY IN THE PLAN VS. THE FIELD CONDITIONS SHALL BE REPORTED TO THE CITY REPRESENTATIVE IMMEDIATELY.
2. THESE LANDSCAPE PLANS ARE DESIGNED TO MEET THE REQUIREMENTS AND INTENTIONS OF THE FOLLOWING PLANS AND ORDINANCES: PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (PC/COT SSP) 2003 EDITION, DIVISION 500
3. SIGHT VISIBILITY TRIANGLE SHALL BE CLEAR OF LANDSCAPING AND OTHER VISIBILITY OBSTRUCTIONS WITH A HEIGHT GREATER THAN 2 FEET.
4. LOCATION OF ALL ELEMENTS ON THIS PLAN SHALL BE APPROVED BY THE CITY OF TUCSON LANDSCAPE ARCHITECT OR CITY REPRESENTATIVE, PRIOR TO INSTALLATION.
5. MAINTENANCE: ALL REQUIRED LANDSCAPING AND IRRIGATION SYSTEMS WITHIN THE RIGHT-OF-WAY SHALL BE MAINTAINED TO ACHIEVE PERMANENT, SAFE, AND SUCCESSFUL LANDSCAPING AS REQUIRED BY SECTIONS 807 AND 808 OF THE PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (PC/COT SSP) 2003 EDITION
6. ALL DISTURBED, GRUBBED, GRADED OR BLADED AREAS NOT OTHERWISE IMPROVED SHALL BE LANDSCAPED, RESEEDED, OR TREATED WITH AN INORGANIC OR ORGANIC GROUND COVER.
7. THE SCHEDULE FOR PLANTING OF TREES AND SHRUBS SHALL BE AT THE DISCRETION OF THE CONTRACTOR. PLANTING DURING EXTREMELY COLD, HOT, OR WINDY PERIODS SHALL BE PERFORMED AT THE CONTRACTOR'S RISK. PLANTS WHICH ARE DAMAGED OR DIE PRIOR TO FINAL ACCEPTANCE AS A RESULT OF EXTREME WEATHER CONDITIONS SHALL BE REMOVED AND REPLACED BY THE CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. PROVIDE CLIENT WITH AN ADD ALTERNATE BID FOR WILDLIFE DETERRENT SPRAY TO BE APPLIED TO INSTALLED TREES AND SHRUBS AND PROTECTIVE FENCING FOR INSTALLED TREES TO DETER WILDLIFE. FENCING AND DETERRENT SPRAY TO BE APPROVED BY OWNER.
8. PLANT SIZE, LOCATION AND SPACING:
 - 8.A. TREES AND SHRUBS ARE TO BE LOCATED SO THAT, AT MATURITY, THEY DO NOT INTERFERE WITH EXISTING ONSITE OR OFFSITE UTILITY SERVICE LINES OR UTILITY EASEMENTS OR WITH SOLAR ACCESS TO AN ADJACENT PROPERTY.
 - 8.B. ALL SHRUBS AND GROUNDCOVERS TO BE A MINIMUM OF 2' FROM BACK OF CURB OR BACK OF SIDEWALK.
 - 8.C. ALL PRICKLY PEAR CACTUS SHALL BE PLANTED A MINIMUM OF 5' FROM PATHWAY.
9. PLANT PLACEMENT TO BE FIELD ADJUSTED AS NEEDED TO AVOID PROPOSED UTILITIES, EXISTING PRESERVED VEGETATION, AND OTHER FIELD CONDITIONS. CONTACT THE CITY REPRESENTATIVE FOR RELOCATION OF PLANTS IN QUESTIONABLE AREAS.
10. WRITTEN DIMENSIONS WILL TAKE PRECEDENCE OVER SCALED DIMENSIONS.
11. THE CONTRACTOR SHALL TAKE EXTREME CARE WHILE WORKING WITHIN THE PROJECT AREA AS TO NOT DISTURB ANY EXISTING UTILITIES OR STRUCTURES ON OR ADJACENT TO THE PROJECT AREA. THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPLACING AND OR REPAIRING ANY EXISTING STRUCTURES OR UTILITIES DAMAGED DURING CONSTRUCTION AT NO ADDITIONAL COST TO THE CITY OF TUCSON.
12. ALL WORK SHALL BE CONFINED TO THE AREA WITHIN THE CONSTRUCTION LIMITS AS SHOWN ON THE PLANS. ANY AREAS OR IMPROVEMENTS DISTURBED OUTSIDE THESE LIMITS SHALL BE REVEGETATED TO THEIR ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE. IN THE EVENT THE CONTRACTOR REQUIRES A MODIFICATION TO THE CONSTRUCTION LIMITS, WRITTEN PERMISSION MUST BE OBTAINED FROM THE CITY REPRESENTATIVE PRIOR TO ANY DISTURBANCE OUTSIDE OF THE LIMITS OF WORK.
13. NOTIFY THE CITY REPRESENTATIVE 48 HOURS IN ADVANCE OF ANY INSPECTIONS AND / OR APPROVALS OF LANDSCAPE MATERIAL AND IRRIGATION PRODUCTS PRIOR TO INSTALLATION.
14. THE CONTRACTOR SHALL WARRANTY THE PLANT MATERIAL, IRRIGATION SYSTEM AND WORKMANSHIP FOR A MINIMUM PERIOD OF ONE YEAR.
15. CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTING EROSION CONTROL MEASURES ON SLOPES EXCEEDING 3:1.
16. IN THE EVENT OF ANY DISPUTE BETWEEN THESE PLANS AND THE PIMA COUNTY/CITY OF TUCSON STANDARD SPECIFICATIONS FOR PUBLIC IMPROVEMENTS (PC/COT SSP) 2003 EDITION, THE STANDARD SPECIFICATION SHALL PREVAIL.

LEGEND

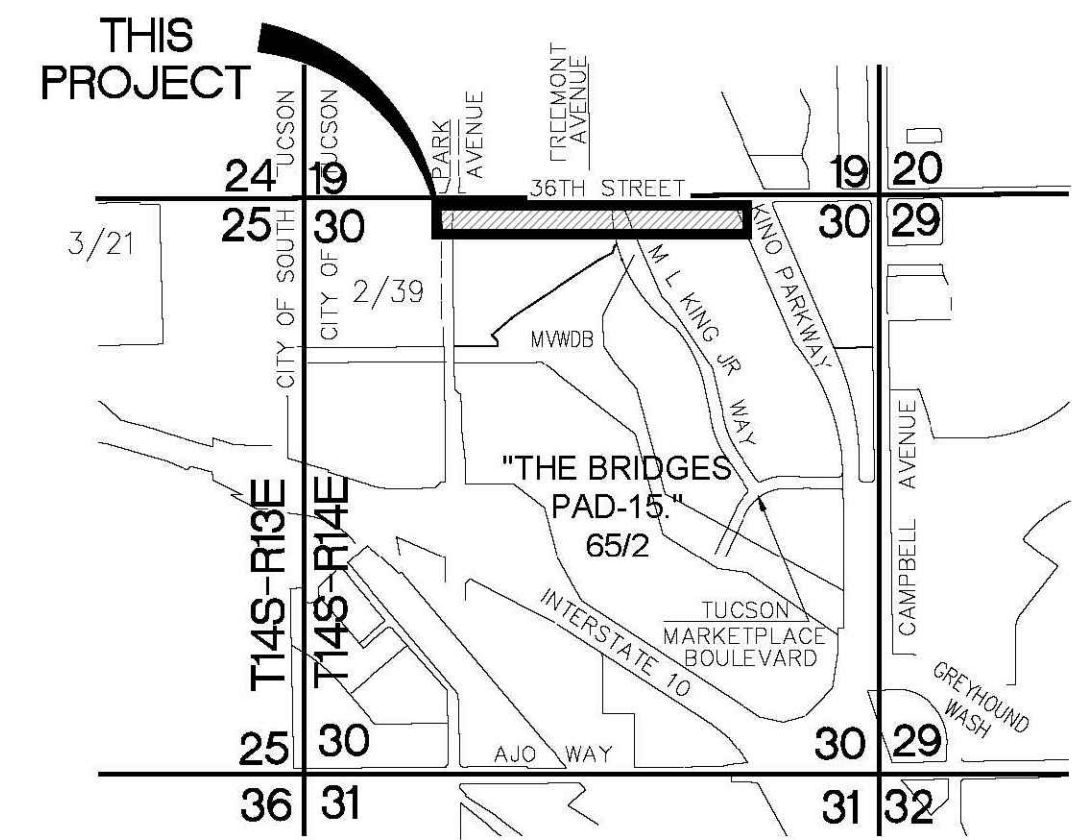
SHEET INDEX	
EXISTING RIGHT-OF-WAY	
CONSTRUCTION CENTERLINE	
SECTION LINE	
PROPOSED CURB & EDGE OF PAVEMENT	
PROPOSED ROAD PAVEMENT	
PROPOSED 10' PATH	
PAVEMENT REMOVAL	
PERCENT GRADE	
NEW INDEX CONTOUR AND LABEL	
EX. INDEX CONTOUR AND LABEL	
EX. INTERMEDIATE CONTOUR	
EXISTING OVERHEAD UTILITIES	
EXISTING EDGE OF PAVEMENT	
EXISTING CURB	
EXISTING SURVEY MONUMENT	
EXISTING SEWER AND MANHOLE	
EXISTING WATERLINE, METER, VALVE & FIRE HYDRANT	

BASIS OF ELEVATION

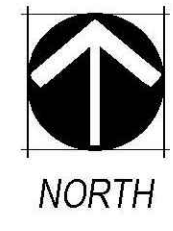
CITY OF TUCSON BENCHMARK 1014A (AN X CHISELED IN THE CONCRETE ON THE NORTHEAST CORNER OF THE CATCH BASIN AT THE SOUTHEAST CORNER OF 36TH STREET AND KINO BOULEVARD) FROM FIELD BOOK 1989-A-1, PAGE 71. PUBLISHED ELEVATIONS BEING 2476.25, CITY OF TUCSON DATUM (NAVD88).

BASIS OF BEARING

THE HORIZONTAL DATUM FOR THIS SURVEY IS BASED ON THE NATIONAL GEODETIC SURVEY (NGS)
 WEBSITE: "WWW.NGS.NOAA.GOV", ON MAY 2006.
 PROJECTION: ARIZONA CENTRAL ZONE, NAD 83, (EPOCH 92)
 -DATUM: GRS-80
 UNITS: INTERNATIONAL FEET
 GEOD MODEL: GEOID 03
 -CONTROL POINT: X419
 PID: CZ1496
 LATITUDE: 32° 10' 55.93347" N
 LONGITUDE: 110° 56' 35.74365" W
 ELLIPSOID HEIGHT: 733.27 (M)
 DESCRIPTION: NGS VERTICAL CONTROL DISK ON A STAINLESS STEEL ROD MODIFIED TO GROUND AT (GRID) N:432429.317, E:998403.485. PIMA COUNTY DEPARTMENT OF TRANSPORTATION STATION ID #ET03, T14S, R14E, USING A SCALE FACTOR OF 1.0001169995.
 HORIZONTAL ADJUSTMENT: N:(-0.526, E:(-0.570)
 HORIZONTAL ROTATION: (-)0° 00' 21"



SECTION 30, T-14-S, R-14-E
 OF THE G&SRM, PIMA COUNTY, ARIZONA
 LAT: 32°11'13" LONG: -110°57'31"
 SOURCE: PIMA COUNTY MAPGUIDE
 CITY OF TUCSON - WARD NUMBER 5
 SCALE: 3"=1 MILE



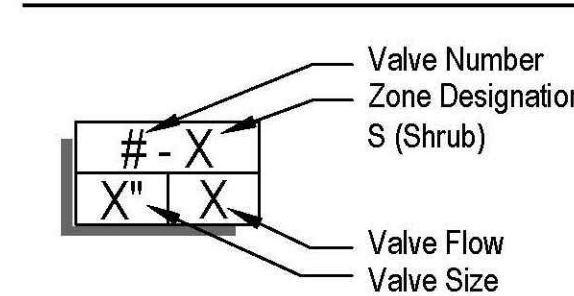
IRRIGATION LEGEND

SYM.	EQUIPMENT DESCRIPTION	COMMENTS
POC	Irrigation Point of Connection, 1-1/4" Existing Irrigation Mainline. At corner of Park Ave. and 36th St.	Confirm Location
⊕	Drip Valve Assembly Heavy Duty Concrete Meter Box, Cast-Iron Lid 12"x15" 1" Hunter ICV Valve, ICV-101G-AS 1" NIBCO T-580 Bronze Ball Valve 1" Hunter Y-Filter 150 SS Mesh	Detail 10, Sheet 25
▲	Senninger Pressure Regulator PRL30 3/4" 0.5 - 8 GPM	3/4" 0.5-8 GPM Detail 11, Sheet 25
⊗	Watts WGV THD Bronze Gate Valve Size - 1" Main Line / 1" Lateral	Detail 12, Sheet 25
—	Sleeve - Sch. 40 PVC For Sleeve sizes See Irrigation Note 12. In no case shall sleeve be less than three inch (3") size.	Detail 9, Sheet 25
—	Sleeve under roadway - 4" Ductile Iron Pipe In no case shall sleeve be less than four inch (4") size. Locate sleeve within dedicated 5' easement. See Civil Plans for easement information.	Detail 8, Sheet 25
—	Mainline - 1" Sch. 40 PVC	Detail 8, Sheet 25
—	Mainline - 1" HDPE Pipe	Detail 8, Sheet 25
—	1" Lateral line - Class 200 PVC.	Detail 8, Sheet 25
—	3/4" PVC Drip Lateral	Detail 8, Sheet 25
—	Rainbird XB-10-6 & XB-20-6, 6 port Multi-outlet Emitters	Detail 15, Sheet 25
—	Hose End Flush Cap	

EMITTER SCHEDULE

Shrubs, Accents and Groundcovers - Multi-port Emitters:
 All accents and cacti: 1-0.5GPH Outlet, Rainbird XBT-05-6 Emitter
 *Cacti - Emitters shall be plugged after the establishment period thereby eliminating irrigation to the cacti.
 All 1 Gal. groundcovers: 1-1 GPH Outlet, Rainbird XBT-10-6 Emitter
 All 5 Gal. plants: 2-1 GPH Outlets, Rainbird XBT-10-6 Emitter
 **Note: Emitters shall be as specified or Approved Equal.

VALVE CALLOUT



COT TRANSPORTATION IRRIGATION NOTES

- STANDARD REQUIREMENTS FOR PLACING PRIVATE IRRIGATION LINES UNDER A PUBLIC ROADWAY.
1. YOU MUST CREATE AND RECORD A 5' WIDE EASEMENT CROSSING THE RIGHT OF WAY.
 2. SLEEVES IN THE EASEMENT MUST BE MADE OF DUCTILE IRON PIPE.
 3. THE IRRIGATION LINE MUST BE A CONTINUOUS HDPE (HIGH DENSITY POLYETHYLENE) PIPE AND HAVE ISOLATION VALVES AT BOTH ENDS.
 4. THE HOMEOWNERS ASSOCIATION MUST BECOME A MEMBER OF ARIZONA 811 (BLUESTAKE AZ).

IRRIGATION NOTES

SEE SHEETS 22-24 FOR IRRIGATION INSTALLATION AND POINT OF CONNECTION NOTES.

PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	SIZE	QTY
SHRUBS				
⊙	Calliandra eriophylla	Pink Fairy Duster	5 GAL	35
⊙	Ericameria laricifolia	Turpentine Bush	5 GAL	106
⊙	Leucophyllum laevigatum	Chihuahuan Rain Sage	5 GAL	22
ACCENTS				
*	Agave weberi	Weber Agave	5 GAL	6
*	Dasylirion wheeleri	Desert Spoon	5 GAL	12
⊙	Echinocactus grusonii	Golden Barrel Cactus	5 GAL	4
⊙	Hesperaloe parviflora	Red Yucca 'Brakeights'	5 GAL	110
⊙	Muhlenbergia capillaris	Regal Mist	5 GAL	96
⊙	Opuntia violacea 'Santa Rita'	Santa Rita Prickly Pear	4-6 Pad Min.	26
GROUNDCOVERS				
⊙	Dalea capitata	Sierra Gold Dalea	1 GAL	76
INERT GROUND COVER				
Decorative Rock - 37,900 s.f. 1" Minus Decomposed Granite at a depth of 2" - Color to be Apache Brown or approved equal, available from Kalamazoo Materials (520-575-9601). All areas within the ROW or between sidewalk and curb where the sidewalk is beyond the ROW shall be treated with decorative rock.				
BOULDERS				
Color to be Apache Brown or approved equal, available from Kalamazoo Materials				
SYM.	SIZE	QTY		
⊙	2' x 2' x 2'	4		
⊙	18" x 18" x 18"	42		
PAVEMENT				
⊙	Asphalt Path - 23,415 s.f. - See Detail 7, Sheet 25; TDOT Mix 3 Local			

NOTES- PLANTING IN R.O.W

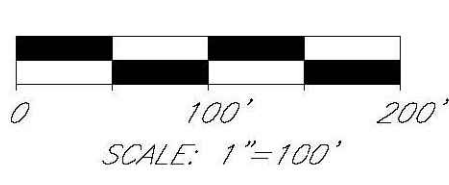
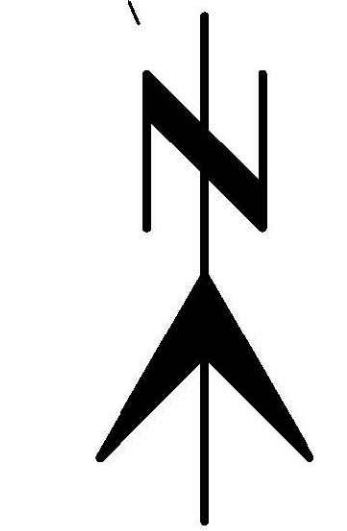
1. IT IS THE OWNERS RESPONSIBILITY TO KEEP THE SIGHT VISIBILITY TRIANGLES (SVT), AND THE PEDESTRIAN ACCESS AREA IN CONFORMANCE WITH DEVELOPMENT STANDARD 3-01.5 AT ALL TIMES (MUST PROVIDE A WINDOW OF VISIBILITY FROM 30° TO 72° ABOVE GRADE).
2. FINAL PLANT LOCATIONS MUST BE IN COMPLIANCE WITH ALL UTILITY SETBACK REQUIREMENTS.
3. THE OWNER UNDERSTANDS THAT IF THE CITY OF TUCSON TRANSPORTATION DEPARTMENT OR ANY UTILITY COMPANY NEEDS TO WORK WITHIN THE ROW IN THE LANDSCAPED AREA, PLANTS AND IRRIGATION MAY BE DESTROYED WITHOUT REPLACEMENT OR REPAIR.
4. THE OWNER TAKES FULL LIABILITY FOR THIS LANDSCAPE AND IRRIGATION, AND ANY DAMAGE TO ROADWAY, SIDEWALK AND UTILITIES.
5. THE ONLY PRIVATE IRRIGATION EQUIPMENT THAT IS ALLOWED WITHIN THE ROW ARE LATERAL LINES, TUBING AND EMITTERS THAT ARE NOT UNDER CONSTANT PRESSURE. ALL OTHER EQUIPMENT MUST BE ON PRIVATE PROPERTY (EXCLUDING WATER METER).
6. CONTRACTOR TO OBTAIN A RIGHT OF WAY EXCAVATION PERMIT PRIOR TO CONSTRUCTION WITHIN THE RIGHT-OF-WAY.

OWNER/DEVELOPER

BOURN COMPANIES
 ATTN: MATT DICKEY
 20 E. CONGRESS STREET, SUITE 300
 TUCSON, ARIZONA 85701
 TEL (520) 323-1005
 mdickey@bourncompanies.com

SHEET INDEX

18	LANDSCAPE COVER
19-21	LANDSCAPE PLAN
22-24	IRRIGATION PLAN
25	CONSTRUCTION DETAILS

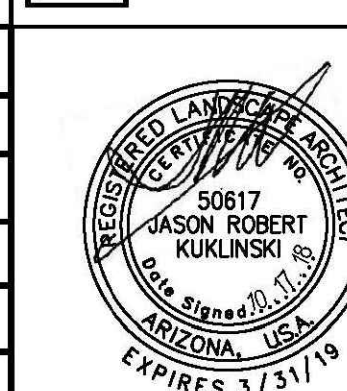


Record Document
 Dated: 02/03/2026

LANDSCAPE COVER

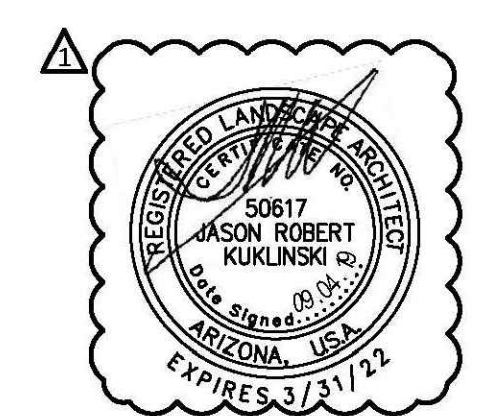
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET PARK AVENUE TO KINO PARKWAY



Approvals	Signature	Date	Approved	18
				20
				25
TRANSPORTATION DIRECTOR				
REF. XX-XX-XX SCALE: AS SHOWN				
PLAN NO. I-2016-007				

NO.	DATE	REVISION	BY	CHKD.	APPR.
09/04/19		DP RESUBMITTAL			

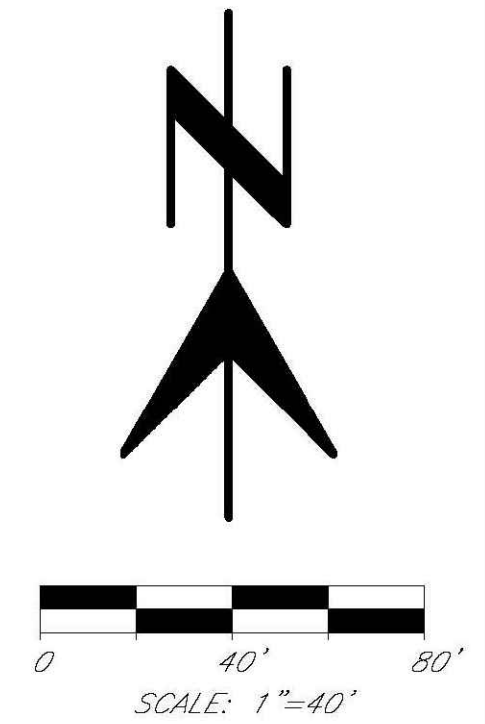
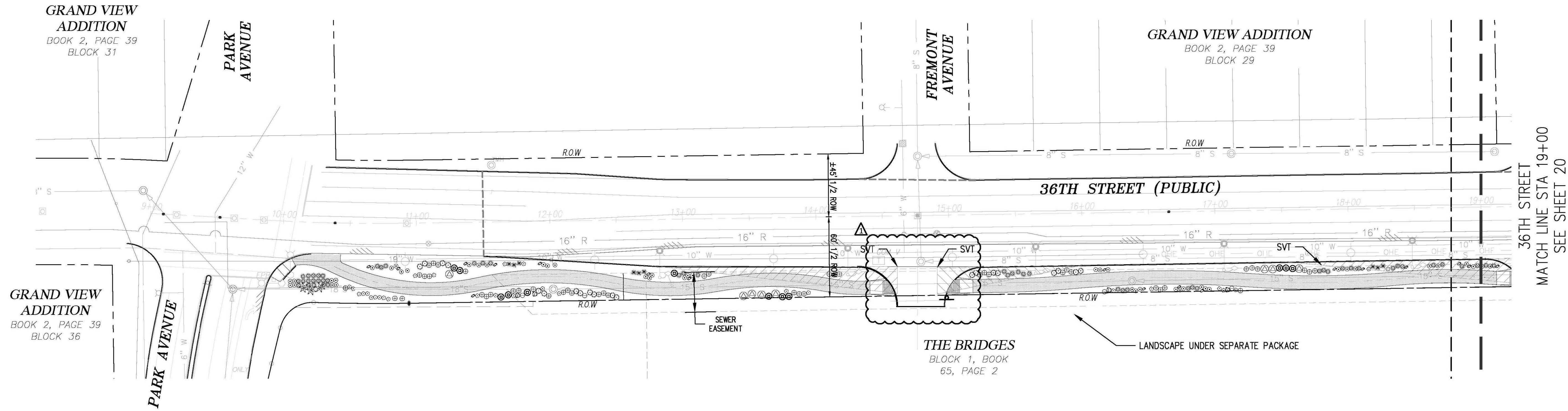


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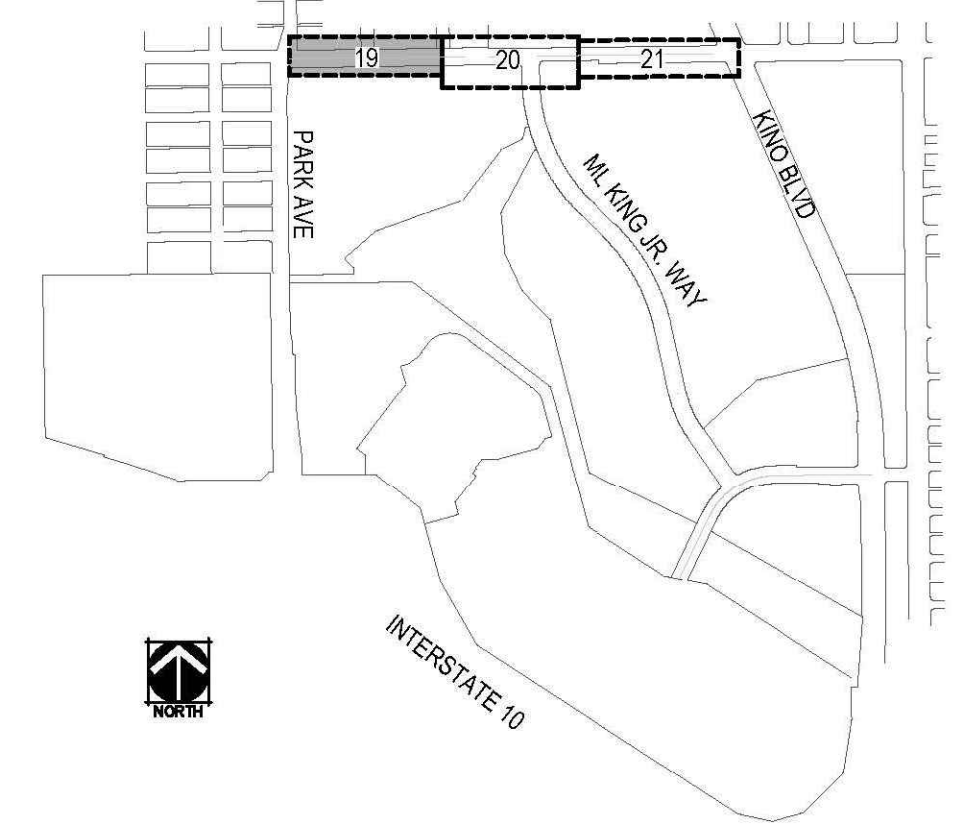


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KEY MAP



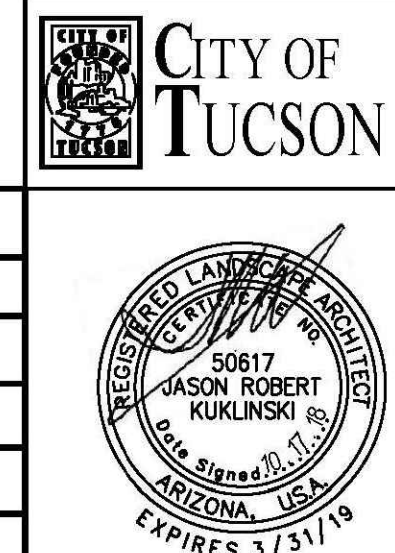
PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	SIZE	QTY
SHRUBS				
⊙	Calliandra eriophylla	Pink Fairy Duster	5 GAL	35
⊙	Ericameria laricifolia	Turpentine Bush	5 GAL	106
⊙	Leucophyllum laevigatum	Chihuahuan Rain Sage	5 GAL	22
ACCENTS				
★	Agave weberi	Weber Agave	5 GAL	6
*	Dasyliiron wheeleri	Desert Spoon	5 GAL	12
⊙	Echinocactus grusonii	Golden Barrel Cactus	5 GAL	4
⊙	Hesperaloe parviflora	Red Yucca 'Brakelights'	5 GAL	110
⊙	Muhlenbergia capillaris	Regal Mist	5 GAL	96
⊙	Opuntia violacea 'Santa Rita'	Santa Rita Prickly Pear	4-6 Pad Min.	26
GROUNDCOVERS				
⊙	Dalea capitata	Sierra Gold Dalea	1 GAL	76
INERT GROUNDCOVER				
NOT SHOWN	Decorative Rock - 37,900 s.f. 1" Minus Decomposed Granite at a depth of 2" - Color to be Apache Brown or approved equal, available from Kalamazoo Materials (520-575-9601). All areas within the ROW or between sidewalk and curb where the sidewalk is beyond the ROW shall be treated with decorative rock.			
BOULDERS				
Color to be Apache Brown or approved equal, available from Kalamazoo Materials				
SYM.	SIZE	QTY		
⊙	2' x 2' x 2'	4		
⊙	18" x 18" x 18"	42		
PAVEMENT				
Asphalt Path - 23,415 s.f. - See Detail 7, Sheet 25; TDOT Mix 3 Local				



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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY

Approvals	Signature	Date	Approved	19
				of
				25

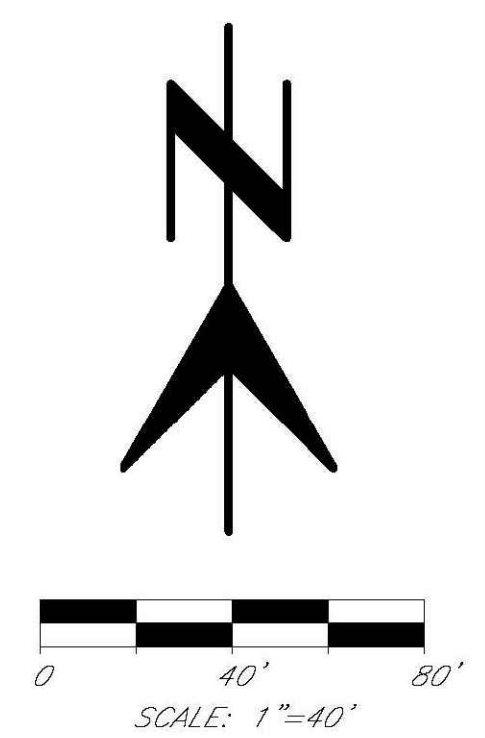
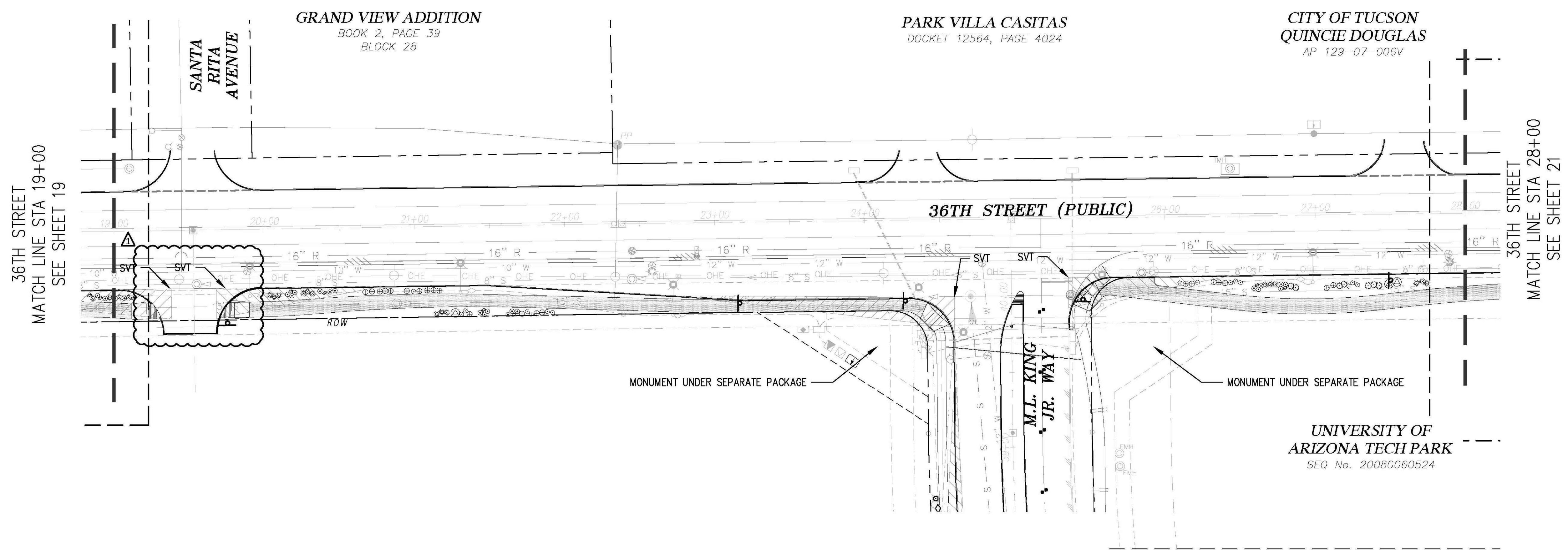
TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

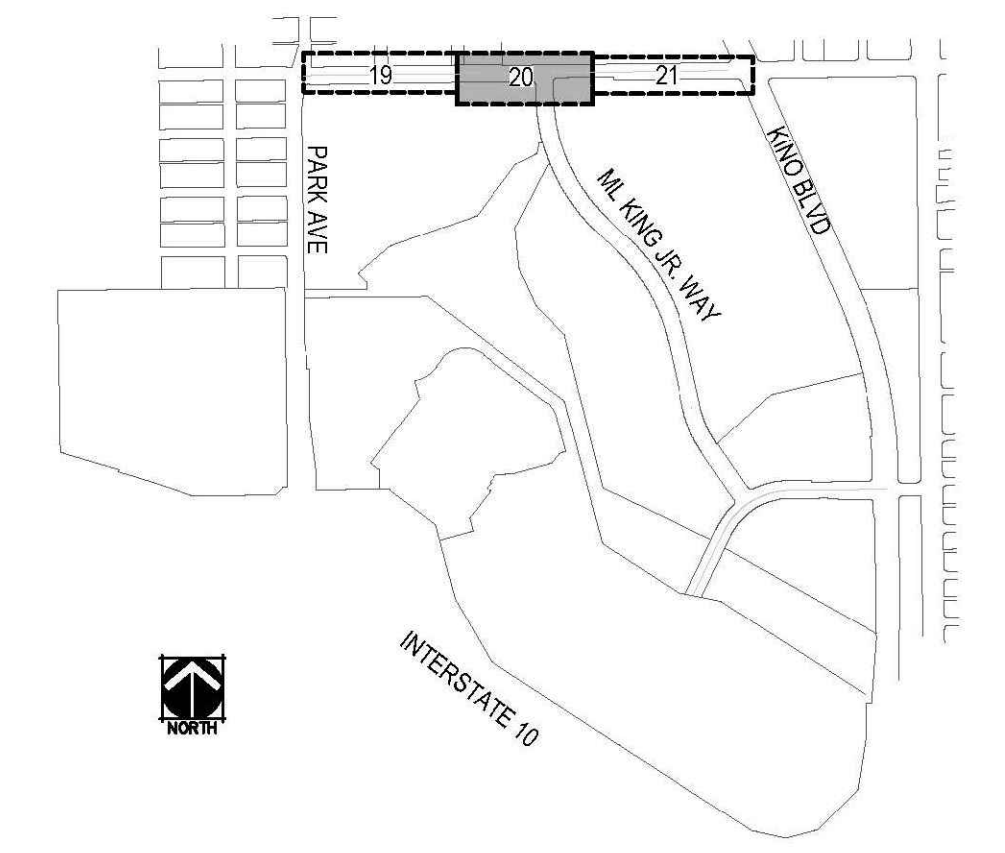
PLAN NO. I-2016-007



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KEY MAP



PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	SIZE	QTY
SHRUBS				
⊙	Calliandra eriophylla	Pink Fairy Duster	5 GAL	35
⊙	Ericameria laricifolia	Turpentine Bush	5 GAL	106
⊙	Leucophyllum laevigatum	Chihuahuan Rain Sage	5 GAL	22
ACCENTS				
✱	Agave weberi	Weber Agave	5 GAL	6
✱	Dasyliirion wheeleri	Desert Spoon	5 GAL	12
⊙	Echinocactus grusonii	Golden Barrel Cactus	5 GAL	4
⊙	Hesperaloe parviflora	Red Yucca 'Brakelights'	5 GAL	110
⊙	Muhlenbergia capillaris	Regal Mist	5 GAL	96
⊙	Opuntia violacea 'Santa Rita'	Santa Rita Prickly Pear	4-6 Pad Min.	26
GROUNDCOVERS				
⊙	Dalea capitata	Sierra Gold Dalea	1 GAL	76
INERT GROUNDCOVER				
NOT SHOWN	Decorative Rock - 37,900 s.f. 1" Minus Decomposed Granite at a depth of 2" - Color to be Apache Brown or approved equal, available from Kalamazoo Materials (520-575-9601). All areas within the ROW or between sidewalk and curb where the sidewalk is beyond the ROW shall be treated with decorative rock.			
BOULDERS				
Color to be Apache Brown or approved equal, available from Kalamazoo Materials				
SYM.	SIZE	QTY		
⊙	2' x 2' x 2'	4		
⊙	18" x 18" x 18"	42		
PAVEMENT				
Asphalt Path - 23,415 s.f. - See Detail 7, Sheet 25; TDOT Mix 3 Local				



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APPROVALS			DATE	APPROVED	QTY
					20
					of
					25

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2016-007

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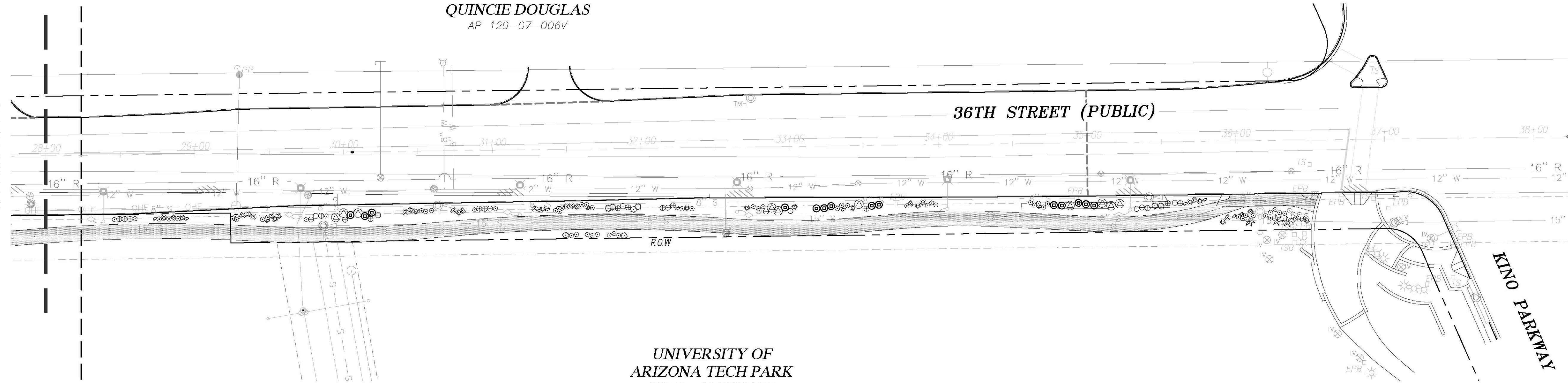


LANDSCAPE PLAN

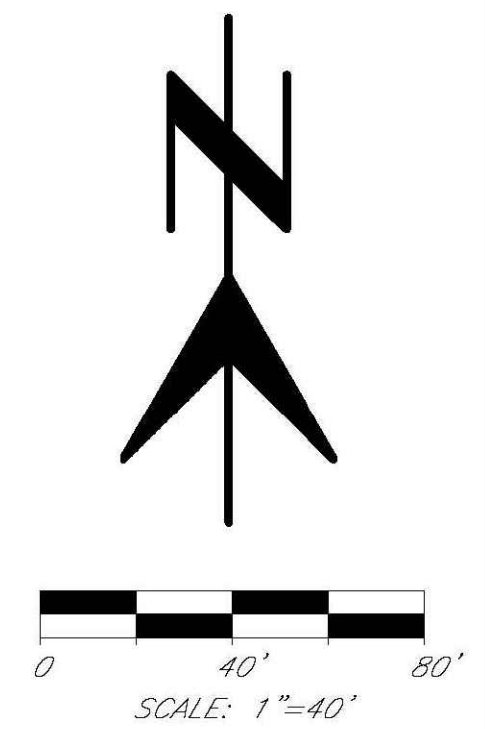
36TH STREET
 PARK AVENUE TO KINO PARKWAY

CITY OF TUCSON
 QUINCIE DOUGLAS
 AP 129-07-006V

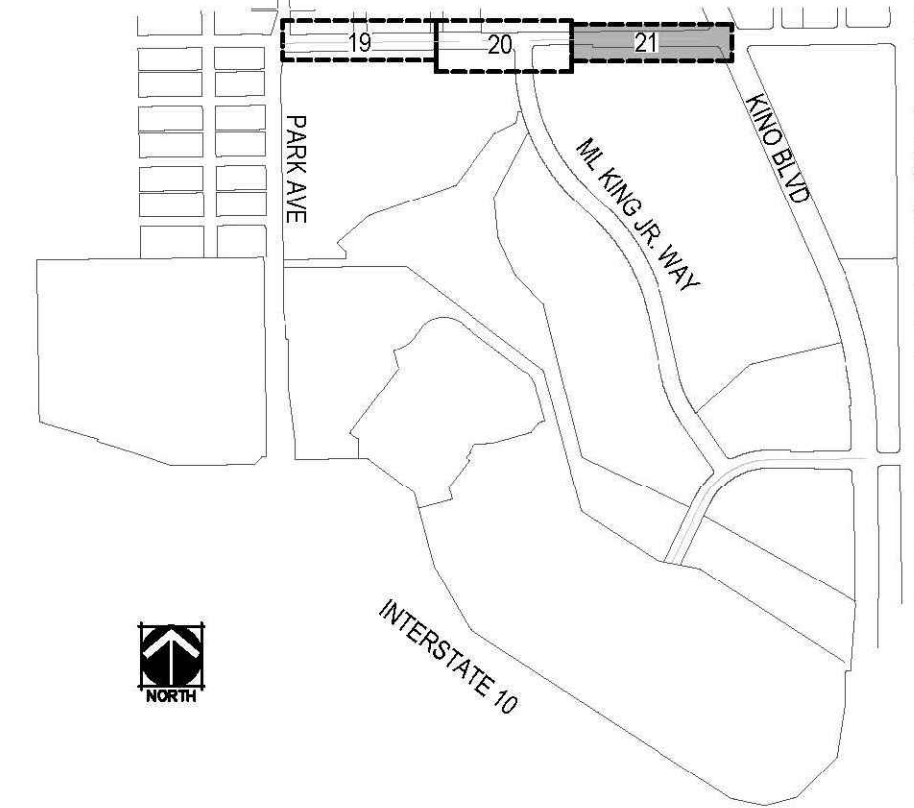
36TH STREET
 MATCH LINE STA 28+00
 SEE SHEET 20



UNIVERSITY OF
 ARIZONA TECH PARK
 SEQ No. 20080060524



KEY MAP



PLANT SCHEDULE

SYM.	BOTANICAL NAME	COMMON NAME	SIZE	QTY
SHRUBS				
⊙	Calliandra eriophylla	Pink Fairy Duster	5 GAL	35
⊙	Ericameria laevis	Turpentine Bush	5 GAL	106
⊙	Leucophyllum laevigatum	Chihuahuan Rain Sage	5 GAL	22
ACCENTS				
*	Agave weberi	Weber Agave	5 GAL	6
*	Dasyliiron wheeleri	Desert Spoon	5 GAL	12
⊙	Echinocactus grusonii	Golden Barrel Cactus	5 GAL	4
⊙	Hesperaloe parviflora	Red Yucca 'Brakelights'	5 GAL	110
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⊙	Opuntia violacea 'Santa Rita'	Santa Rita Prickly Pear	4-6 Pad Min.	26
GROUNDCOVERS				
⊙	Dalea capitata	Sierra Gold Dalea	1 GAL	76
INERT GROUNDCOVER				
NOT SHOWN	Decorative Rock - 37,900 s.f. 1" Minus Decomposed Granite at a depth of 2" - Color to be Apache Brown or approved equal, available from Kalamazoo Materials (520-575-9601). All areas within the ROW or between sidewalk and curb where the sidewalk is beyond the ROW shall be treated with decorative rock.			
BOULDERS				
Color to be Apache Brown or approved equal, available from Kalamazoo Materials				
	SYM.	SIZE	QTY	
⊙		2' x 2' x 2'	4	
⊙		18" x 18" x 18"	42	
PAVEMENT				
	Asphalt Path - 23,415 s.f. - See Detail 7, Sheet 25; TDOT Mix 3 Local			

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DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
 PARK AVENUE TO KINO PARKWAY

Approvals	Signatory	Date	Approved	21
				of
				25

TRANSPORTATION DIRECTOR

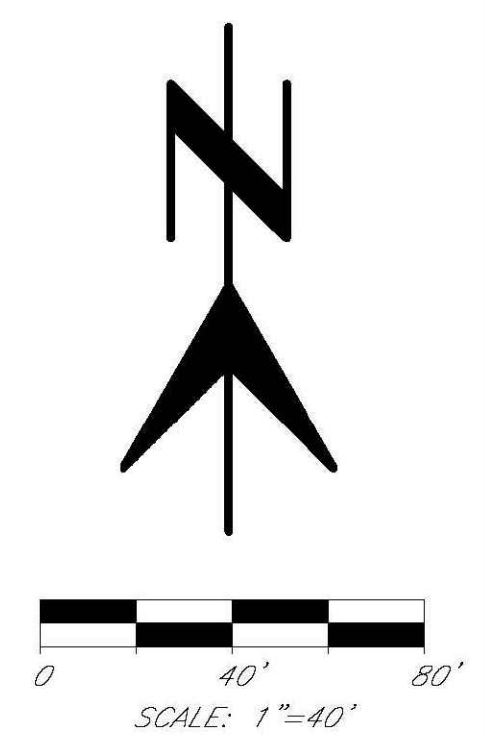
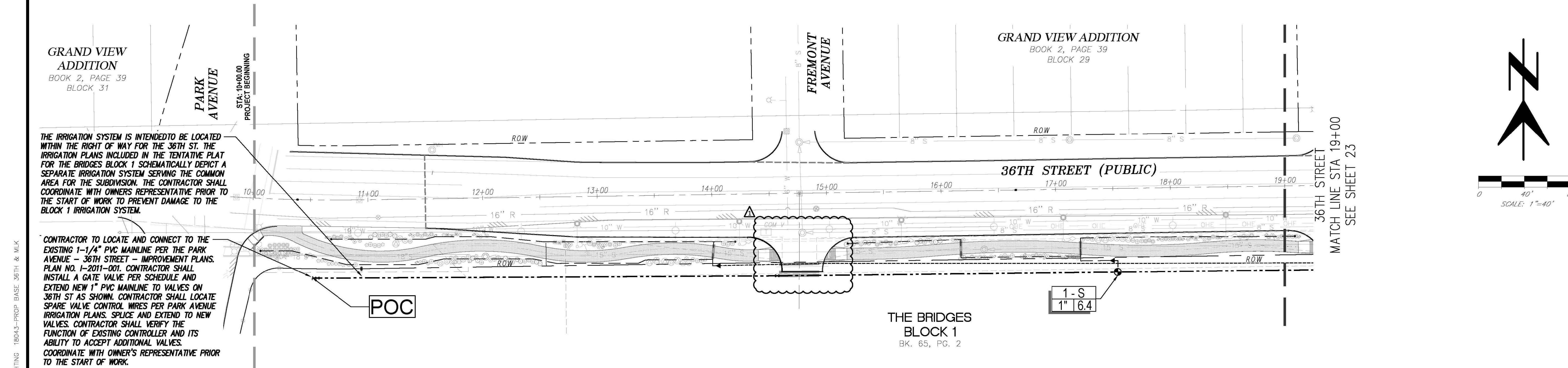
REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2016-007

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 Dated: 02/03/2026



LANDSCAPE PLAN



GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 31

GRAND VIEW ADDITION
BOOK 2, PAGE 39
BLOCK 29

THE BRIDGES BLOCK 1
BK. 65, PG. 2

THE IRRIGATION SYSTEM IS INTENDED TO BE LOCATED WITHIN THE RIGHT OF WAY FOR THE 36TH ST. THE IRRIGATION PLANS INCLUDED IN THE TENTATIVE PLAT FOR THE BRIDGES BLOCK 1 SCHEMATICALLY DEPICT A SEPARATE IRRIGATION SYSTEM SERVING THE COMMON AREA FOR THE SUBDIVISION. THE CONTRACTOR SHALL COORDINATE WITH OWNERS REPRESENTATIVE PRIOR TO THE START OF WORK TO PREVENT DAMAGE TO THE BLOCK 1 IRRIGATION SYSTEM.

CONTRACTOR TO LOCATE AND CONNECT TO THE EXISTING 1-1/4\"/>

IRRIGATION POINT OF CONNECTION NOTES

- POINT OF CONNECTION:** THE CONTRACTOR SHALL LOCATE AND CONNECT TO THE EXISTING 1-1/4\"/>
- CONTROLLER LOCATION:** THE CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF THE EXISTING HUNTER ACC CONTROLLER LOCATED AT APPROXIMATELY STATION 61+00 OF PARK AVE. THE CONTRACTOR SHALL LOCATE THE EXISTING SPARE CONTROL VALVE WIRES AND SPARE COMMON WIRE PROVIDED IN A VALVE BOX AT THE END OF THE EXISTING MAINLINE ON PARK AVE AT APPROXIMATELY STATION 75+00 OF PARK AVE. THE CONTRACTOR SHALL ADJUST THE PROGRAMMING ON THE CONTROLLER TO ACCEPT ADDITIONAL VALVES PER THIS PLAN. THE CONTRACTOR IS TO NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF THE EXISTING CONTROLLER IS NOT IN WORKING CONDITION OR IS OTHERWISE UNABLE TO ACCEPT NEW VALVES PER THIS PROJECT.
- SENSOR:** THE CONTRACTOR SHALL LOCATE AND VERIFY THE FUNCTION OF THE EXISTING MASTER VALVE AND FLOW SENSOR LOCATED AT THE POINT OF CONNECTION FOR PARK AVE LOCATED AT APPROXIMATELY STATION 60+00 OF PARK AVE. THE CONTRACTOR SHALL VERIFY THAT THE FLOW SENSOR IS COMMUNICATING PROPERLY WITH THE CONTROLLER AND ADJUST PROGRAMMING ON THE CONTROLLER TO ACCEPT ADDITIONAL VALVES.
- WATER PRESSURE:** ACCORDING TO TUCSON WATER, THE WATER PRESSURE IN THE AREA RANGES FROM 46-53PSI. THE SYSTEM HAS BEEN DESIGNED FOR A REQUIRED MINIMUM STATIC PRESSURE OF 40 PSI AT THE POINT OF CONNECTION AND MAXIMUM FLOW OF 12 GPM. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESSURE IN THE FIELD BEFORE CONSTRUCTION BEGINS AND FOR NOTIFYING OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE DESIGN PRESSURE OF THE IRRIGATION SYSTEM AND THE MEASURED PRESSURE IN THE FIELD. IF THE CONTRACTOR FAILS TO NOTIFY THE OWNER'S REPRESENTATIVE OF SUCH DISCREPANCIES, THEN THE CONTRACTOR ASSUMES ALL LIABILITY AND COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS TO ACCOMMODATE THE ACTUAL PRESSURE.

IRRIGATION NOTES

- IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN THE PROPERTY LIMITS/RIGHT-OF-WAY AND WITHIN LANDSCAPE AREAS. ANY EQUIPMENT SHOWN OUTSIDE OF THESE LIMITS IS SHOWN FOR GRAPHIC CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-0\"/>
- ALL IRRIGATION LINES AND EQUIPMENT SHALL BE FIELD ADJUSTED AS NEEDED TO AVOID EXISTING AND PROPOSED UTILITIES, EXISTING PRESERVED VEGETATION, AND OTHER FIELD CONDITIONS.
- THE ENTIRE IRRIGATION SYSTEM SHALL SATISFY ALL LOCAL AND STATE CODE REQUIREMENTS AND BE INSTALLED PER ALL MANUFACTURERS' SPECIFICATIONS.
- THE OVERALL IRRIGATION SYSTEM EXTENDING FROM PARK AVE HAS BEEN DESIGNED TO OPERATE MULTIPLE ZONES SIMULTANEOUSLY WHEN NECESSARY. THE DESIGN INTENT IS THAT OPTIMUM FLOW IS 20 GPM IN THE 1-1/2\"/>
- THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE THE PLANT WATER REQUIREMENTS FOR LANDSCAPE IN THE RIGHT OF WAY.
- IRRIGATION CONTROLLERS ARE TO BE SET FOR IRRIGATION CYCLES BETWEEN 8 P.M. AND 8 A.M. BETWEEN THE MONTHS OF MAY THROUGH SEPTEMBER TO MINIMIZE WATER LOSS DUE TO EVAPORATION.
- CONTRACTOR SHALL SLEEVE ALL IRRIGATION LINES AND VALVE WIRES UNDER ALL PAVED SURFACES AND WALLS. EXTENDING SLEEVES 1 FOOT BEYOND EDGE OF PAVED SURFACE OR WALL. IRRIGATION LINES AND CONTROL WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES. CONTRACTOR RESPONSIBLE FOR ALL SLEEVES.
- ALL SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS IS THE RESPONSIBILITY OF THE CONTRACTOR. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON THE PLANS OR IN THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LATERALS UNDER PAVED SURFACES ARE TO BE INSTALLED IN SEPARATE SLEEVING. MAINLINE AND CONTROL WIRES MAY SHARE A COMMON SLEEVE UNDER ROADWAYS WITHIN A DUCTILE IRON SLEEVE.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF DRIP IRRIGATION LINES PRIOR TO INSTALLATION OF PLANT MATERIAL WITH THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- DO NOT MECHANICALLY TRENCH WITHIN DRIP LINE OF EXISTING TREES OR NEAR CACTI. WHERE TRENCHING WITHIN DRIP LINE IS NECESSARY, ONLY HAND TRENCHING WILL BE PERMITTED. REVIEW WITH THE CITY REPRESENTATIVE PRIOR TO START OF TRENCHING.
- LAYOUT EMITTER TUBING PARALLEL TO TOPOGRAPHY WHEREVER POSSIBLE. INSTALL FLUSHABLE TYPE END CAP AT ENDS OF ALL DRIP LATERALS AND FLUSH THOROUGHLY BEFORE INSTALLING EMITTERS.
- ALL VALVE BOXES / LIDS SHALL BE TAN PER THE CONSTRUCTION DETAILS. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO BE FLUSH FINISH GRADE AS PER THE CONSTRUCTION DETAIL.
- SHRUBS, ACCENTS AND GROUNDCOVER SHALL BE IRRIGATED BY MULTI-PORT EMITTERS. SEE EMITTER SCHEDULE FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY IRRIGATION SYSTEMS DAMAGED DURING NEW INSTALLATION. REPAIR OR REPLACEMENT SHALL BE DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE AND PAID FOR BY THE LANDSCAPE CONTRACTOR.
- THE IRRIGATION PLANS INCLUDED IN THE TENTATIVE PLAT FOR THE BRIDGES BLOCK 1 (DP15-0224) SCHEMATICALLY DEPICT A SEPARATE IRRIGATION SYSTEM SERVING THE COMMON AREA FOR THE SUBDIVISION (THE AREA FROM RIGHT OF WAY TO PROPOSED HOUSE LOT LINE). THE CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK TO PREVENT DAMAGE TO THE BLOCK 1 IRRIGATION SYSTEM.

SLEEVED PIPE SIZE/WIRE QTY.	REQUIRED SLEEVE SIZE AND QTY.
3/4\"-1/2\" PIPING	4\" PVC (1)
3/4\"-1/2\" PIPING UNDER ROADWAY	4\" DUCTILE IRON (1)
1-50 CONTROL WIRES	3\" PVC (1)

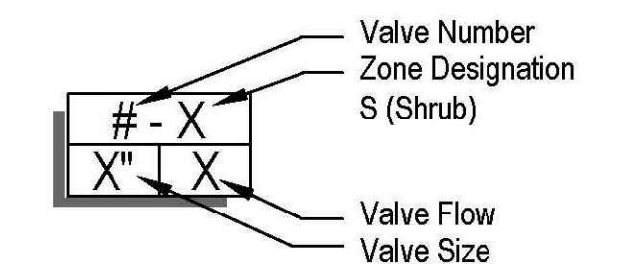
IRRIGATION LEGEND

SYM.	EQUIPMENT DESCRIPTION	COMMENTS
POC	Irrigation Point of Connection, 1-1/4\"/>	Confirm Location
●	Drip Valve Assembly Heavy Duty Concrete Meter Box, Cast-Iron Lid 12\"x15\" 1\" Hunter ICV Valve, ICV-101G-AS 1\" NIBCO T-580 Bronze Ball Valve 1\" Hunter Y-Filter 150 SS Mesh	Detail 10, Sheet 25
▲	Senninger Pressure Regulator PRL30 3/4\" 0.5 - 8 GPM	3/4\" 0.5-8 GPM Detail 11, Sheet 25
⊗	Watts WGV THD Bronze Gate Valve Size - 1\" Main Line / 1\" Lateral	Detail 12, Sheet 25
—	Sleeve - Sch. 40 PVC For Sleeve sizes See Irrigation Note 12. In no case shall sleeve be less than three inch (3\") size.	Detail 9, Sheet 25
	Sleeve under roadway - 4\" Ductile Iron Pipe In no case shall sleeve be less than four inch (4\") size. Locate sleeve within dedicated 5' easement. See Civil Plans for easement information.	Detail 8, Sheet 25
---	Mainline - 1\" Sch. 40 PVC	Detail 8, Sheet 25
----	Mainline - 1\" HDPE Pipe	Detail 8, Sheet 25
- - - -	1\" Lateral line - Class 200 PVC.	Detail 8, Sheet 25
- - - -	3/4\" PVC Drip Lateral	Detail 8, Sheet 25
—●—	SHRUB Rainbird XB-10-6 & XB-20-6, 6 port Multi-outlet Emitters	Detail 15, Sheet 25
—○—	Hose End Flush Cap	

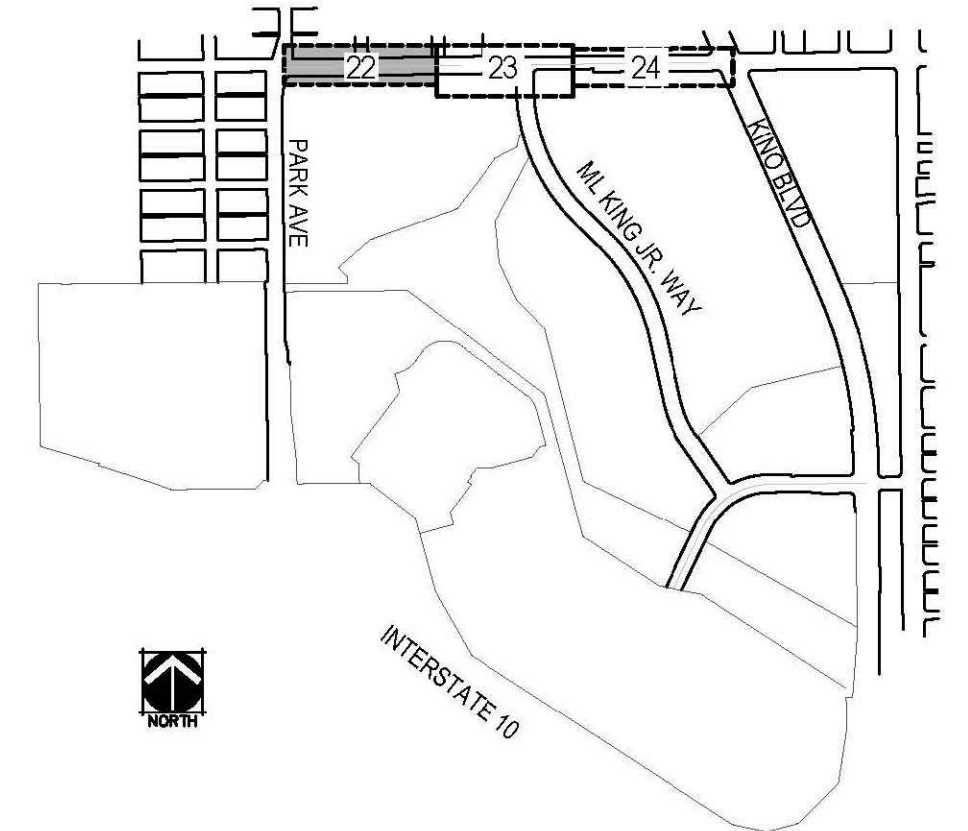
EMITTER SCHEDULE

Shrubs, Accents and Groundcovers - Multi-port Emitters:
All accents and cacti: 1-0.5GPH Outlet, Rainbird XBT-05-6 Emitter
*Cacti - Emitters shall be plugged after the establishment period thereby eliminating irrigation to the cacti.
All 1 Gal. groundcovers: 1-1 GPH Outlet, Rainbird XBT-10-6 Emitter
All 5 Gal. plants: 2-1 GPH Outlets, Rainbird XBT-10-6 Emitter
**Note: Emitters shall be as specified or Approved Equal.

VALVE CALLOUT



KEY MAP



COT TRANSPORTATION IRRIGATION NOTES

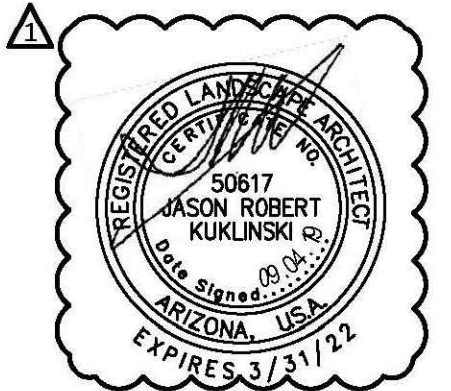
- STANDARD REQUIREMENTS FOR PLACING PRIVATE IRRIGATION LINES UNDER A PUBLIC ROADWAY.
- YOU MUST CREATE AND RECORD A 5' WIDE EASEMENT CROSSING THE RIGHT OF WAY.
 - SLEEVES IN THE EASEMENT MUST BE MADE OF DUCTILE IRON PIPE.
 - THE IRRIGATION LINE MUST BE A CONTINUOUS HDPE (HIGH DENSITY POLYETHYLENE) PIPE AND HAVE ISOLATION VALVES AT BOTH ENDS.
 - THE HOME OWNERS ASSOCIATION MUST BECOME A MEMBER OF ARIZONA 811 (BLUESTAKE AZ).

Record Document
Dated: 02/03/2026



IRRIGATION PLAN
DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY



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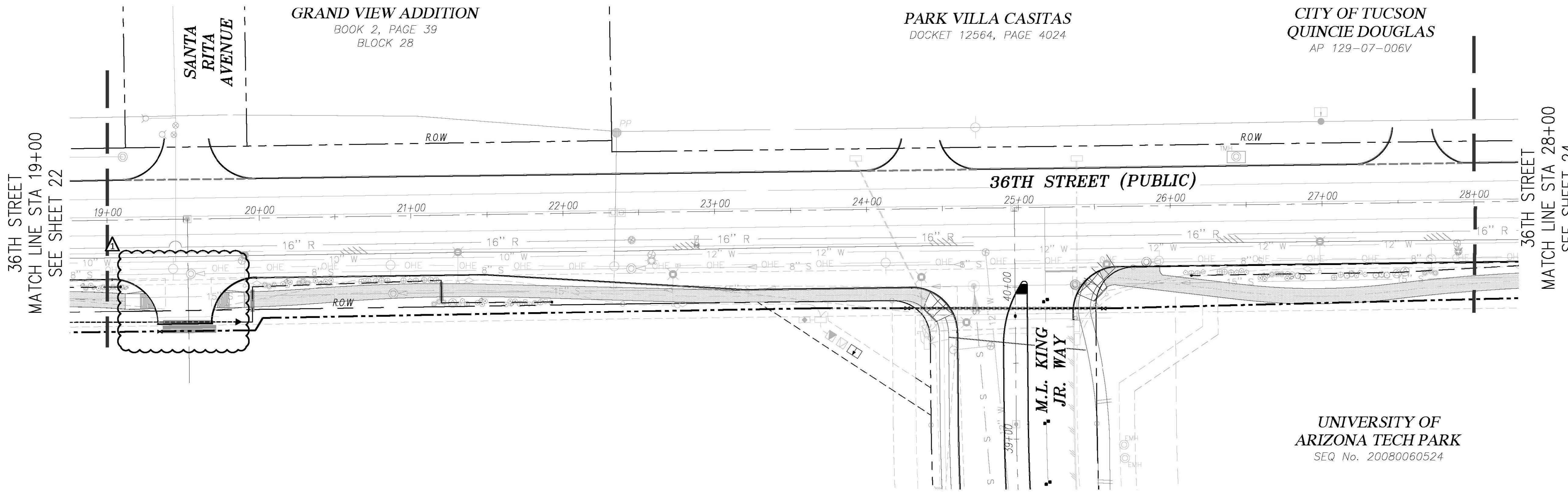
Approvals	Signatory	Date	Approved	22
				of
				25

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2016-007

D:\01-0000\Drawings\Construction Documents\36TH-3-1-dwg USER: tpeira DATE: Sep 06, 2019
 XREFS: 18044-BRDR XREF=36TH-LANDSCAPE 18044-EX-PROP XREF=36TH-IRRIGATION XREF=36TH-path 36TH-SCUPPER (NEW) 19993-XR-LIGHTING 18043-PROP BASE 36TH & MLK



IRRIGATION POINT OF CONNECTION NOTES

- POINT OF CONNECTION:** THE CONTRACTOR SHALL LOCATE AND CONNECT TO THE EXISTING 1-1/4" SCH. 40 PVC IRRIGATION MAINLINE AT APPROXIMATELY STATION 75+00 OF PARK AVE., TRANSITION TO 1" SCH. 40 PVC AND EXTEND TO VALVES AS SHOWN.
- CONTROLLER LOCATION:** THE CONTRACTOR SHALL VERIFY THE LOCATION AND CONDITION OF THE EXISTING HUNTER ACC CONTROLLER LOCATED AT APPROXIMATELY STATION 61+00 OF PARK AVE. THE CONTRACTOR SHALL LOCATE THE EXISTING SPARE CONTROL VALVE WIRES AND SPARE COMMON WIRE PROVIDED IN A VALVE BOX AT THE END OF THE EXISTING MAINLINE ON PARK AVE AT APPROXIMATELY STATION 75+00 OF PARK AVE. THE CONTRACTOR SHALL ADJUST THE PROGRAMMING ON THE CONTROLLER TO ACCEPT ADDITIONAL VALVES PER THIS PLAN. THE CONTRACTOR IS TO NOTIFY THE OWNER'S REPRESENTATIVE IMMEDIATELY IF THE EXISTING CONTROLLER IS NOT IN WORKING CONDITION OR IS OTHERWISE UNABLE TO ACCEPT NEW VALVES PER THIS PROJECT.
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- WATER PRESSURE:** ACCORDING TO TUCSON WATER, THE WATER PRESSURE IN THE AREA RANGES FROM 46-53PSI. THE SYSTEM HAS BEEN DESIGNED FOR A REQUIRED MINIMUM STATIC PRESSURE OF 40 PSI AT THE POINT OF CONNECTION AND MAXIMUM FLOW OF 12 GPM. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING THE PRESSURE IN THE FIELD BEFORE CONSTRUCTION BEGINS AND FOR NOTIFYING OWNER'S REPRESENTATIVE OF ANY DISCREPANCY BETWEEN THE DESIGN PRESSURE OF THE IRRIGATION SYSTEM AND THE MEASURED PRESSURE IN THE FIELD. IF THE CONTRACTOR FAILS TO NOTIFY THE OWNER'S REPRESENTATIVE OF SUCH DISCREPANCIES, THEN THE CONTRACTOR ASSUMES ALL LIABILITY AND COSTS ASSOCIATED WITH SYSTEM MODIFICATIONS TO ACCOMMODATE THE ACTUAL PRESSURE.

IRRIGATION NOTES

- IT IS THE INTENT OF THIS DESIGN THAT ALL IRRIGATION EQUIPMENT BE INSTALLED WITHIN THE PROPERTY LIMITS/RIGHT-OF-WAY AND WITHIN LANDSCAPE AREAS. ANY EQUIPMENT SHOWN OUTSIDE OF THESE LIMITS IS SHOWN FOR GRAPHIC CLARITY ONLY. ALL VALVE BOXES SHALL BE INSTALLED A MINIMUM OF 2'-0" FROM THE EDGE OF PAVED SURFACES AND 3'-0" FROM THE CENTERLINE OF DRAINAGE SWALES.
- ALL IRRIGATION LINES AND EQUIPMENT SHALL BE FIELD ADJUSTED AS NEEDED TO AVOID EXISTING AND PROPOSED UTILITIES, EXISTING PRESERVED VEGETATION, AND OTHER FIELD CONDITIONS.
- THE ENTIRE IRRIGATION SYSTEM SHALL SATISFY ALL LOCAL AND STATE CODE REQUIREMENTS AND BE INSTALLED PER ALL MANUFACTURERS' SPECIFICATIONS.
- THE OVERALL IRRIGATION SYSTEM EXTENDING FROM PARK AVE HAS BEEN DESIGNED TO OPERATE MULTIPLE ZONES SIMULTANEOUSLY WHEN NECESSARY. THE DESIGN INTENT IS THAT OPTIMUM FLOW IS 20 GPM IN THE 1-1/2" MAINLINE ON PARK.
- THE IRRIGATION SYSTEM HAS BEEN DESIGNED TO ACCOMMODATE THE PLANT WATER REQUIREMENTS FOR LANDSCAPE IN THE RIGHT OF WAY.
- IRRIGATION CONTROLLERS ARE TO BE SET FOR IRRIGATION CYCLES BETWEEN 8 P.M. AND 8 A.M. BETWEEN THE MONTHS OF MAY THROUGH SEPTEMBER TO MINIMIZE WATER LOSS DUE TO EVAPORATION.
- CONTRACTOR SHALL SLEEVE ALL IRRIGATION LINES AND VALVE WIRES UNDER ALL PAVED SURFACES AND WALLS, EXTENDING SLEEVES 1 FOOT BEYOND EDGE OF PAVED SURFACE OR WALL. IRRIGATION LINES AND CONTROL WIRES SHALL BE INSTALLED IN SEPARATE SLEEVES. CONTRACTOR RESPONSIBLE FOR ALL SLEEVES.
- ALL SLEEVING UNDER PAVED SURFACES SHOWN ON PLANS IS THE RESPONSIBILITY OF THE CONTRACTOR. SLEEVING SHALL BE INSTALLED IN THE SIZES AND QUANTITIES SHOWN ON THE PLANS OR IN THE SCHEDULE BELOW. ALL MAINLINE, CONTROL WIRES AND DRIP LATERALS UNDER PAVED SURFACES ARE TO BE INSTALLED IN SEPARATE SLEEVING. MAINLINE AND CONTROL WIRES MAY SHARE A COMMON SLEEVE UNDER ROADWAYS WITHIN A DUCTILE IRON SLEEVE.
- CONTRACTOR SHALL COORDINATE INSTALLATION OF DRIP IRRIGATION LINES PRIOR TO INSTALLATION OF PLANT MATERIAL WITH THE OWNER'S REPRESENTATIVE OR LANDSCAPE ARCHITECT.
- DO NOT MECHANICALLY TRENCH WITHIN DRIP LINE OF EXISTING TREES OR NEAR CACTI. WHERE TRENCHING WITHIN DRIP LINE IS NECESSARY, ONLY HAND TRENCHING WILL BE PERMITTED. REVIEW WITH THE CITY REPRESENTATIVE PRIOR TO START OF TRENCHING.
- LAYOUT EMITTER TUBING PARALLEL TO TOPOGRAPHY WHEREVER POSSIBLE. INSTALL FLUSHABLE TYPE END CAP AT ENDS OF ALL DRIP LATERALS AND FLUSH THOROUGHLY BEFORE INSTALLING EMITTERS.
- ALL VALVE BOXES / LIDS SHALL BE TAN PER THE CONSTRUCTION DETAILS. THE CONTRACTOR SHALL ADJUST ALL VALVE BOXES TO BE FLUSH FINISH GRADE AS PER THE CONSTRUCTION DETAIL.
- SHRUBS, ACCENTS AND GROUND COVER SHALL BE IRRIGATED BY MULTI-PORT EMITTERS. SEE EMITTER SCHEDULE FOR ADDITIONAL INFORMATION.
- CONTRACTOR SHALL REPAIR OR REPLACE ANY IRRIGATION SYSTEMS DAMAGED DURING NEW INSTALLATION. REPAIR OR REPLACEMENT SHALL BE DETERMINED BY THE OWNER OR OWNER'S REPRESENTATIVE AND PAID FOR BY THE LANDSCAPE CONTRACTOR.
- THE IRRIGATION PLANS INCLUDED IN THE TENTATIVE PLAT FOR THE BRIDGES BLOCK 1 (DP15-0224) SCHEMATICALLY DEPICT A SEPARATE IRRIGATION SYSTEM SERVING THE COMMON AREA FOR THE SUBDIVISION (THE AREA FROM RIGHT OF WAY TO PROPOSED HOUSE LOT LINE). THE CONTRACTOR SHALL COORDINATE WITH OWNER'S REPRESENTATIVE PRIOR TO THE START OF WORK TO PREVENT DAMAGE TO THE BLOCK 1 IRRIGATION SYSTEM.

SLEEVED PIPE SIZE/WIRE QTY.	REQUIRED SLEEVE SIZE AND QTY.
3/4"-1 1/2" PIPING	4" PVC (1)
3/4"-1 1/2" PIPING UNDER ROADWAY	4" DUCTILE IRON (1)
1-50 CONTROL WIRES	3" PVC (1)

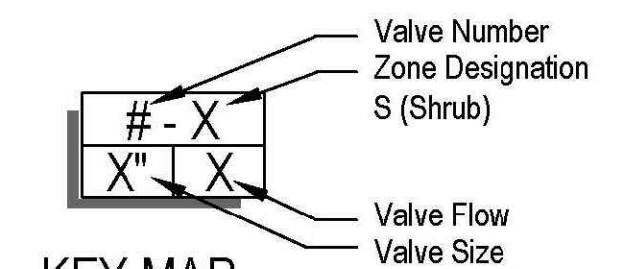
IRRIGATION LEGEND

SYM.	EQUIPMENT DESCRIPTION	COMMENTS
POC	Irrigation Point of Connection, 1-1/4" Existing Irrigation Mainline. At corner of Park Ave. and 36th St.	Confirm Location
⊙	Drip Valve Assembly Heavy Duty Concrete Meter Box, Cast-Iron Lid 12"x15" 1" Hunter ICV Valve, ICV-101G-AS 1" NIBCO T-580 Bronze Ball Valve 1" Hunter Y-Filter 150 SS Mesh	Detail 10, Sheet 25
▲	Senninger Pressure Regulator PRL30 3/4" 0.5 - 8 GPM	3/4" 0.5-8 GPM Detail 11, Sheet 25
⊗	Watts WGV THD Bronze Gate Valve Size - 1" Main Line / 1" Lateral	Detail 12, Sheet 25
—	Sleeve - Sch. 40 PVC For Sleeve sizes See Irrigation Note 12. In no case shall sleeve be less than three inch (3") size.	Detail 9, Sheet 25
▬	Sleeve under roadway - 4" Ductile Iron Pipe In no case shall sleeve be less than four inch (4") size. Locate sleeve within dedicated 5' easement. See Civil Plans for easement information.	Detail 8, Sheet 25
---	Mainline - 1" Sch. 40 PVC	Detail 8, Sheet 25
----	Mainline - 1" HDPE Pipe	Detail 8, Sheet 25
----	1" Lateral line - Class 200 PVC.	Detail 8, Sheet 25
---	SHRUB 3/4" PVC Drip Lateral Rainbird XB-10-6 & XB-20-6, 6 port Multi-outlet Emitters	Detail 8, Sheet 25
—●—	Hose End Flush Cap	Detail 15, Sheet 25

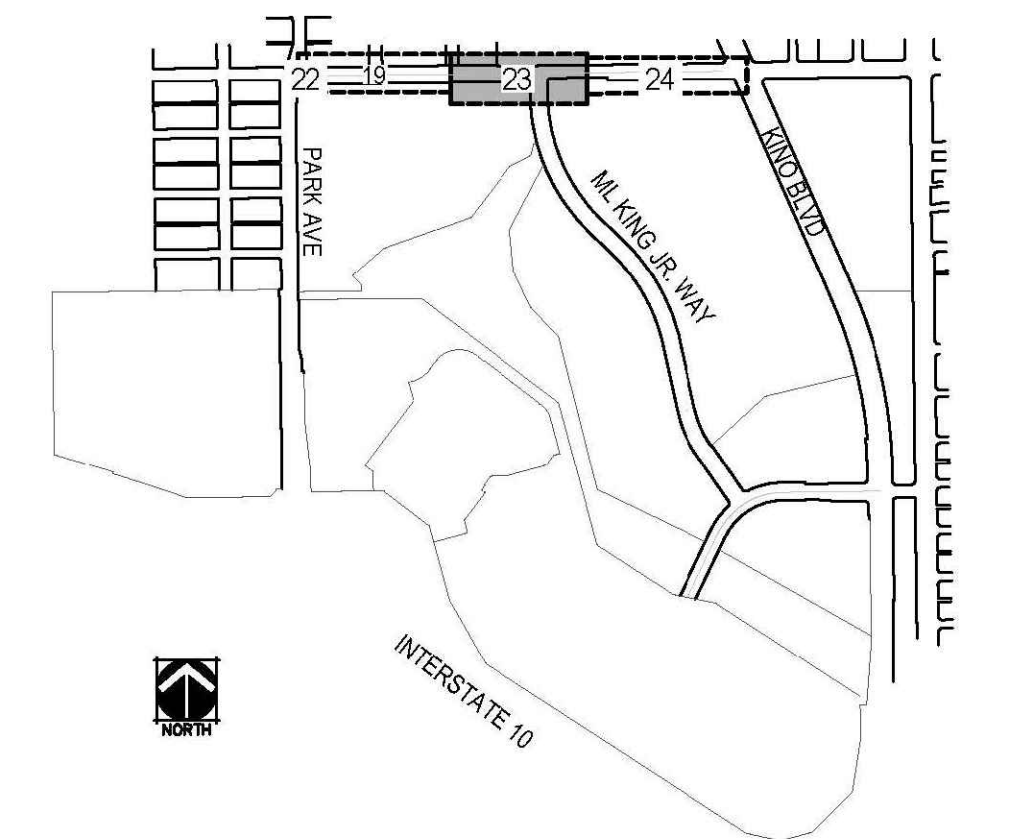
EMITTER SCHEDULE

Shrubs, Accents and Groundcovers - Multi-port Emitters:
 All accents and cacti: 1-0.5GPH Outlet, Rainbird XBT-05-6 Emitter
 *Cacti - Emitters shall be plugged after the establishment period thereby eliminating irrigation to the cacti.
 All 1 Gal. groundcovers: 1-1 GPH Outlet, Rainbird XBT-10-6 Emitter
 All 5 Gal. plants: 2-1 GPH Outlets, Rainbird XBT-10-6 Emitter
 **Note: Emitters shall be as specified or Approved Equal.

VALVE CALLOUT



KEY MAP



COT TRANSPORTATION IRRIGATION NOTES

- STANDARD REQUIREMENTS FOR PLACING PRIVATE IRRIGATION LINES UNDER A PUBLIC ROADWAY.
- YOU MUST CREATE AND RECORD A 5' WIDE EASEMENT CROSSING THE RIGHT OF WAY.
 - SLEEVES IN THE EASEMENT MUST BE MADE OF DUCTILE IRON PIPE.
 - THE IRRIGATION LINE MUST BE A CONTINUOUS HDPE (HIGH DENSITY POLYETHYLENE) PIPE AND HAVE ISOLATION VALVES AT BOTH ENDS.
 - THE HOME OWNERS ASSOCIATION MUST BECOME A MEMBER OF ARIZONA 811 (BLUESTAKE AZ).

Record Document
 Dated: 02/03/2026



IRRIGATION PLAN
 DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
 PARK AVENUE TO KINO PARKWAY



NO.	DATE	REVISION	BY	CHKD.	APPR.
09/04/19	DP	RESUBMITTAL			

Approvals	Signature	Date	Approved	23
			20	23
				25

TRANSPORTATION DIRECTOR

REF. XX-XX-XX SCALE: AS SHOWN

PLAN NO. I-2016-007

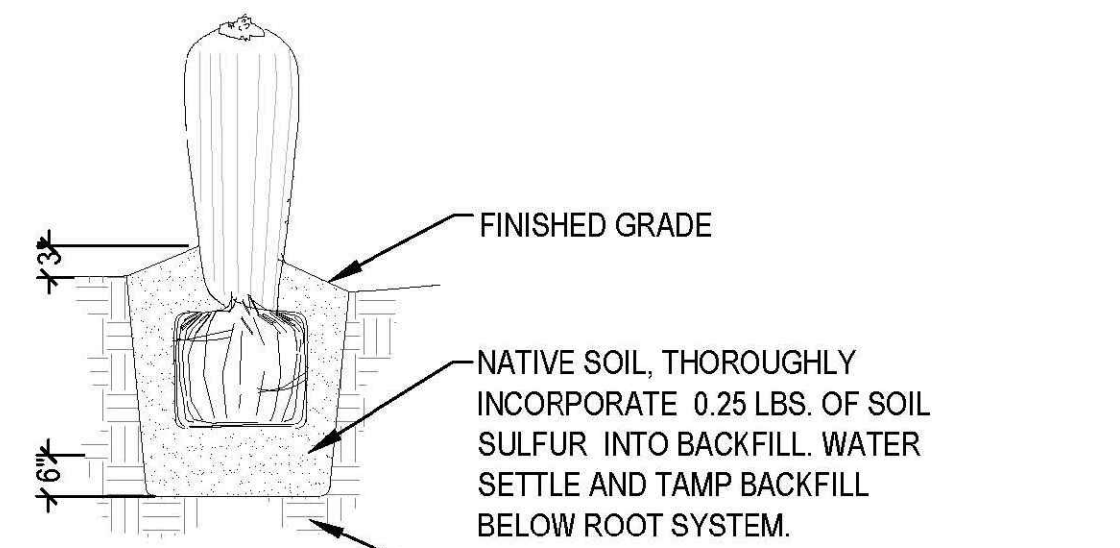


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 Planning | Landscape Architecture | Branding
 418 North Toole Avenue
 Tucson, AZ 85701
 P 520.622.9565
 www.norris-design.com



DMC: P:\36th Street - 0000-01-0000\Drawings\Construction Documents\36TH-3-1-dwg USER: tperera DATE: Sep 06, 2019
 XREFS: 18044-BRDR XREF-36TH-LANDSCAPE 18044-PROP BASE 36TH_MLK 18043-EX-PROP XREF-36TH-IRRIGATION XREF-36TH-path 36TH-SCUPPER (NEW) 18993-XR-LIGHTING 18043-PROP BASE 36TH & MLK

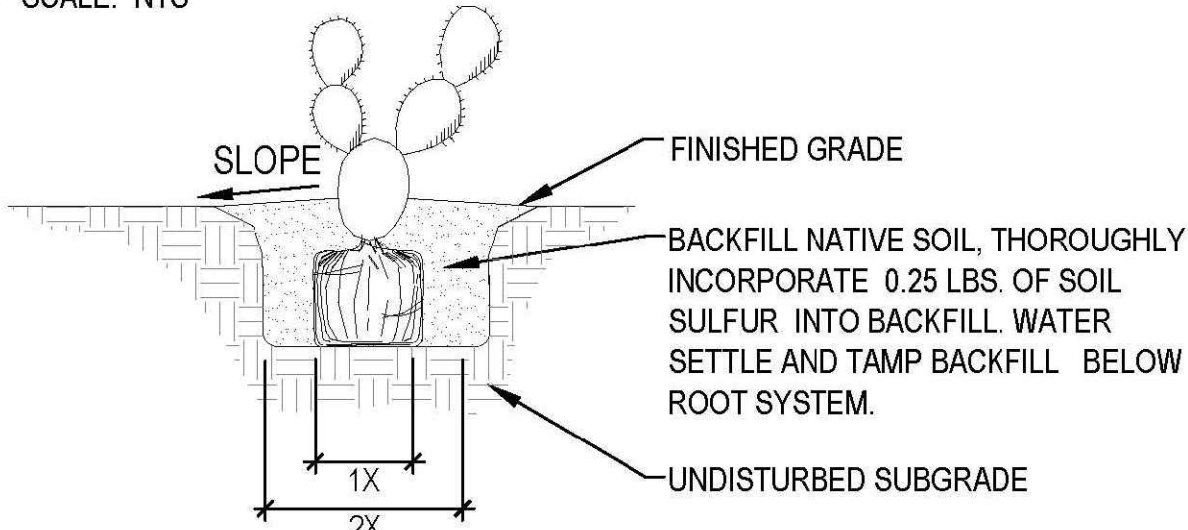
DWG: P:\36th Street - 0000-01-0000\Drawings\Construction Documents\36TH-4-D.dwg USER: tperetra DATE: Sep 06, 2019 XREFS: 18044-BRDR



- NOTES:**
1. PLANT PIT TO BE 6" DEEPER THAN FREE EXTENSION OF ROOTS.
 2. ROOT PRUNE ALL DAMAGED ROOTS. INSPECTION OF ROOT SYSTEM BY LANDSCAPE ARCHITECT REQUIRED PRIOR TO INSTALLATION.
 3. USE NATIVE SITE SOIL ONLY IN PIT - NO MULCH.
 4. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM PLANT.
 5. AT SITE, DUST ENTIRE ROOT STRUCTURE WITH WETTABLE DUSTING SULFUR. (1.5LBS. MIN.)

1 BARREL CACTUS PLANTING

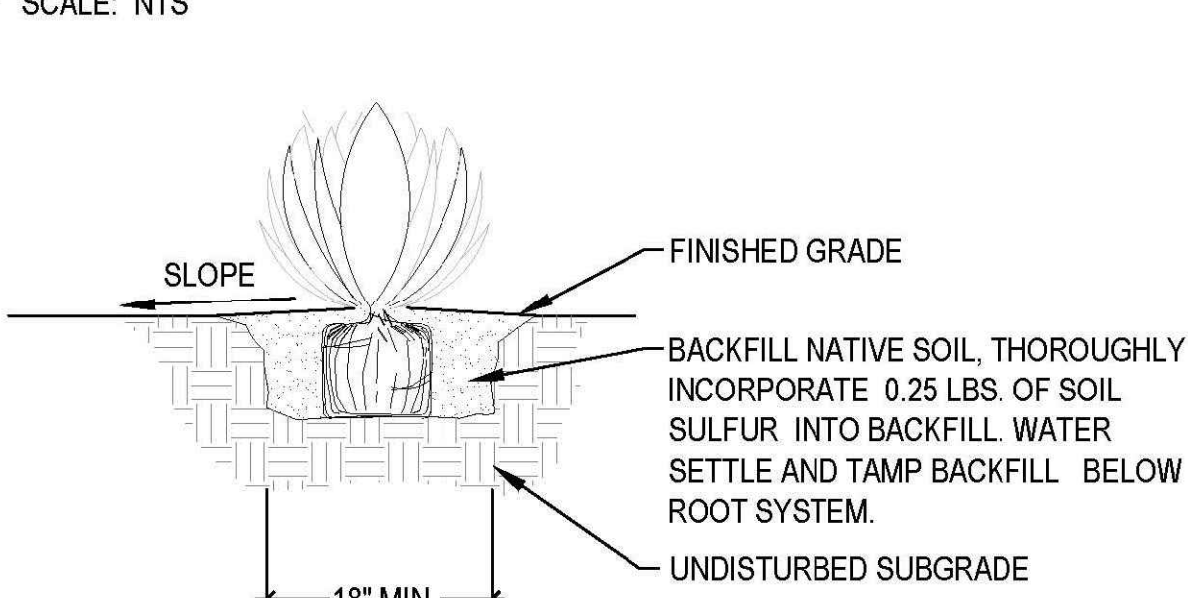
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- NOTES:**
1. DO NOT CREATE BASIN AT BASE OF CACTUS. SLOPE BACKFILL AWAY FROM PLANT.

2 PRICKLY PEAR PLANTING

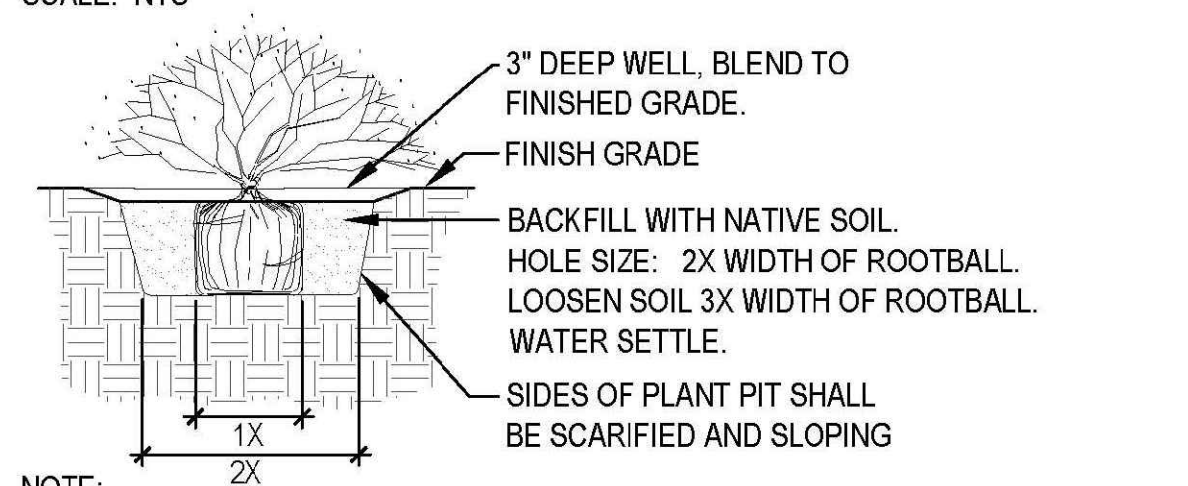
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- NOTES:**
1. DO NOT CREATE BASIN AT BASE OF ACCENT. SLOPE BACKFILL AWAY FROM PLANT.
 2. USE DRY SITE SOIL ONLY IN PIT -- NO MULCH.

3 ACCENT/BARREL CACTI PLANTING

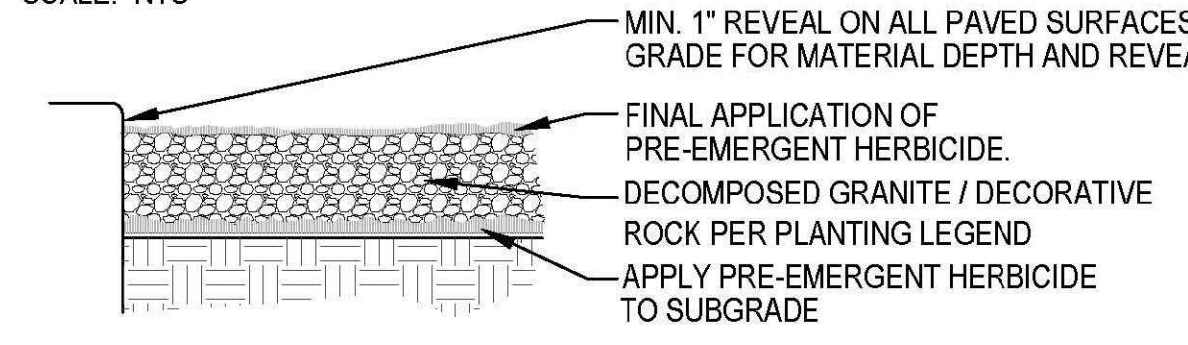
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- NOTE:**
1. CARE SHOULD BE TAKEN NOT TO DAMAGE THE SHRUB OR ROOTBALL WHEN REMOVING IT FROM ITS CONTAINER.
 2. BROKEN OR CRUMBLING ROOT BALLS WILL BE REJECTED.
 3. PRUNE ALL DEAD OR DAMAGED WOOD PRIOR TO PLANTING.

4 SHRUB/GROUNDCOVER PLANTING

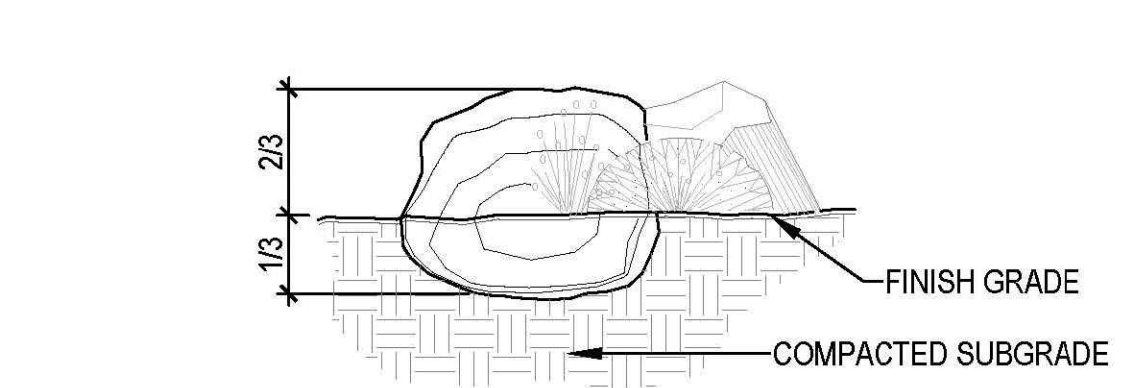
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- NOTE:**
1. APPLY PRE-EMERGENT HERBICIDE PER LABEL DIRECTIONS AND RATE

5 INERT GROUND COVER

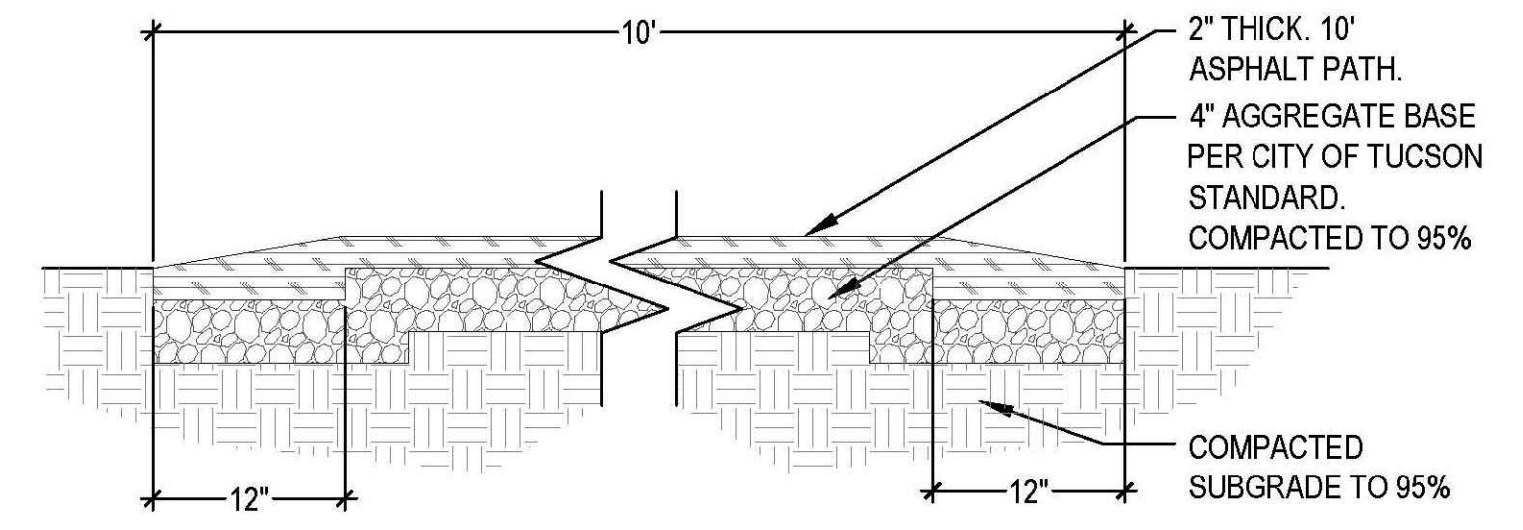
N.T.S.



- NOTES:**
1. PLACE BOULDER INTO GROUND SO THAT 1/3 OF THE BOULDER IS BELOW FINISH GRADE.
 2. DO NOT PLACE BOULDER DIRECTLY ONTO GRADE LEVEL, NOR SHOULD TOPSOIL OR ROCK MULCH BE ADDED TO BASE OF BOULDER TO ACHIEVE SETTING DEPTH.
 3. WATER SETTLE AND COMPACT BACKFILL

6 BOULDER PLACEMENT

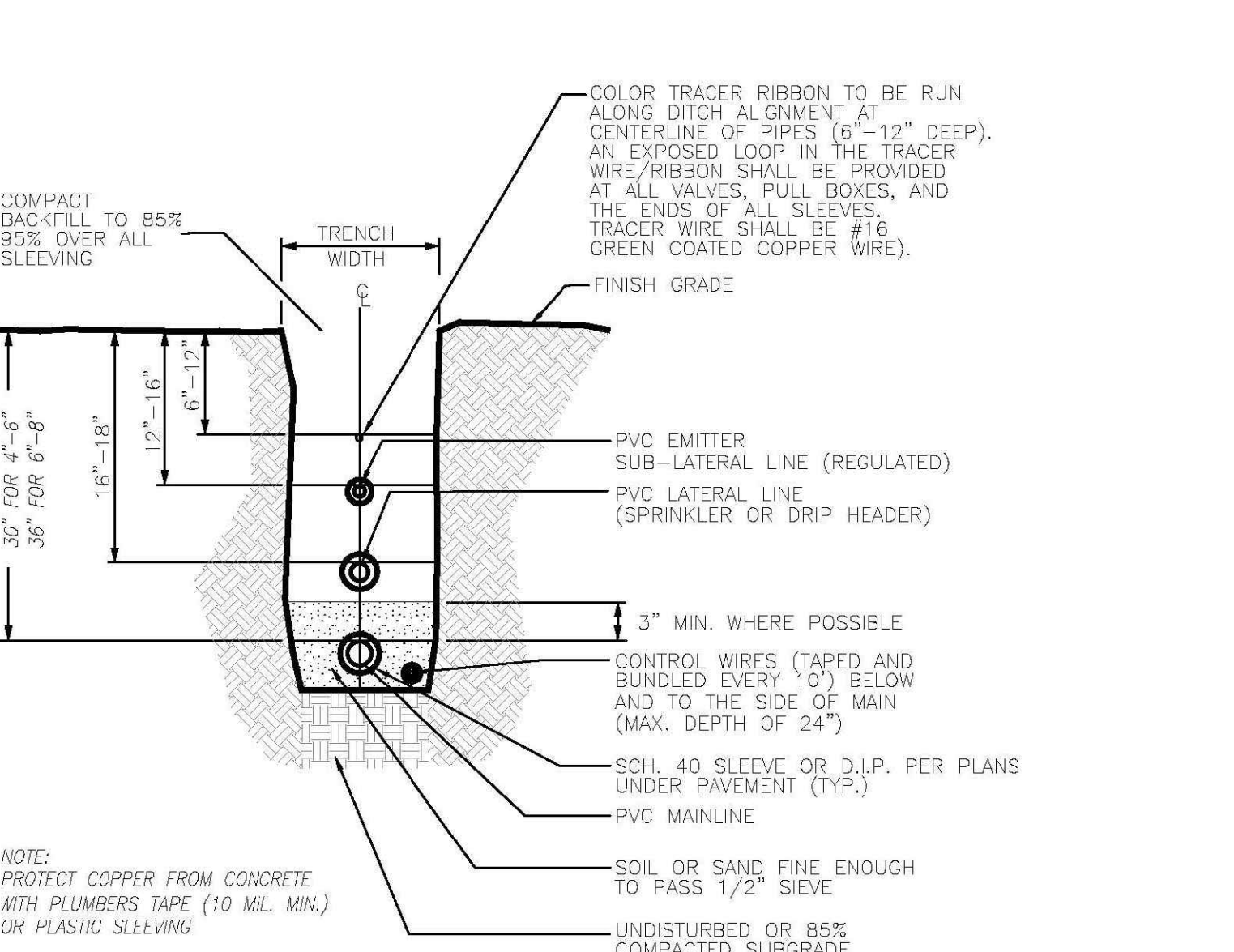
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- NOTES:**
1. ASPHALT TO MEET SPECIFICATIONS OF TDOT MIX 3 LOCAL.

7 ASPHALT TRAIL

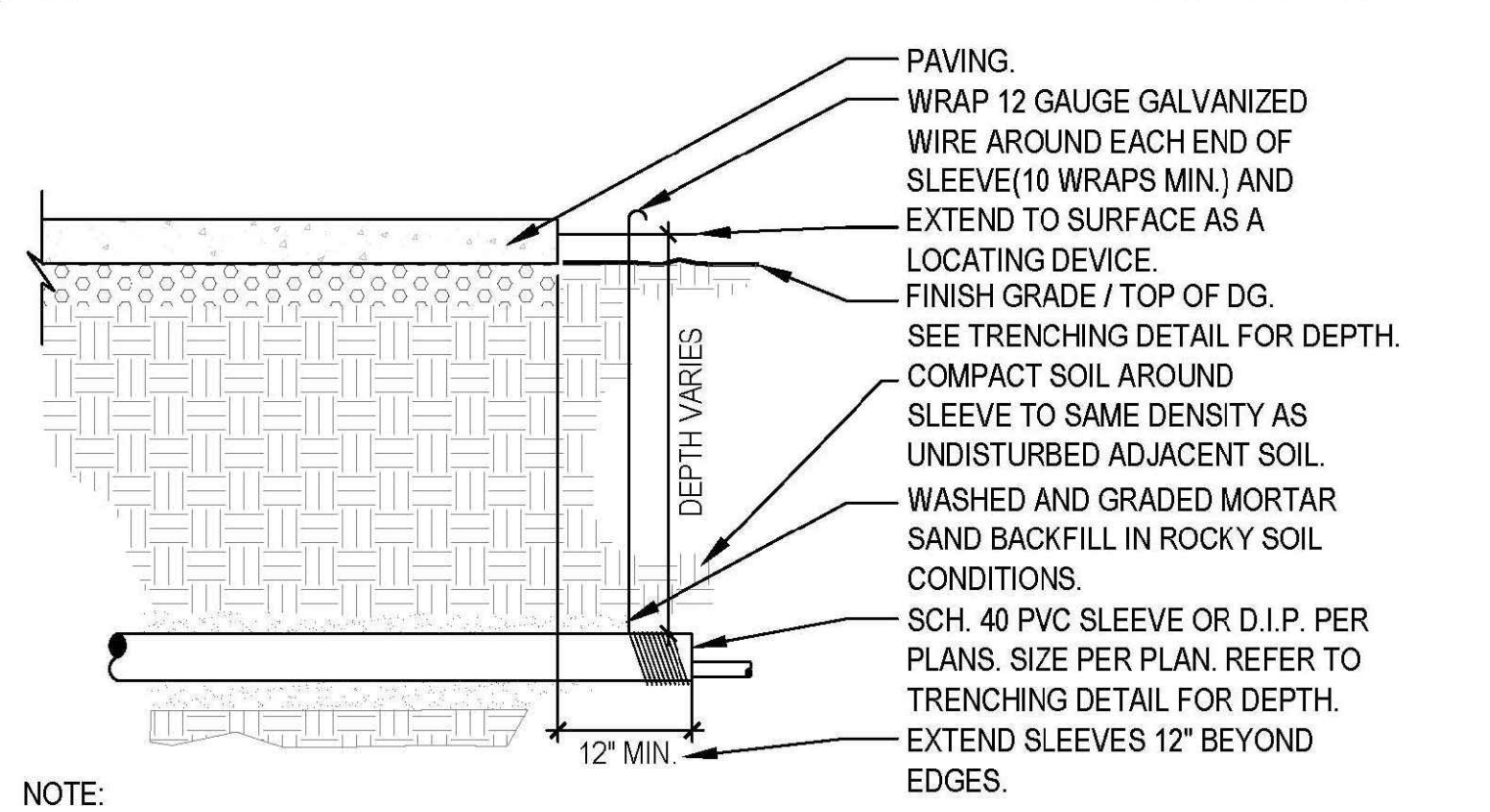
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- NOTE:**
1. ALL PIPE SHALL BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.
 2. NO PIPE OR WIRE SHALL BE LOCATED UNDER PAVING UNLESS IT IS SLEEVED.

8 IRRIGATION TRENCHING

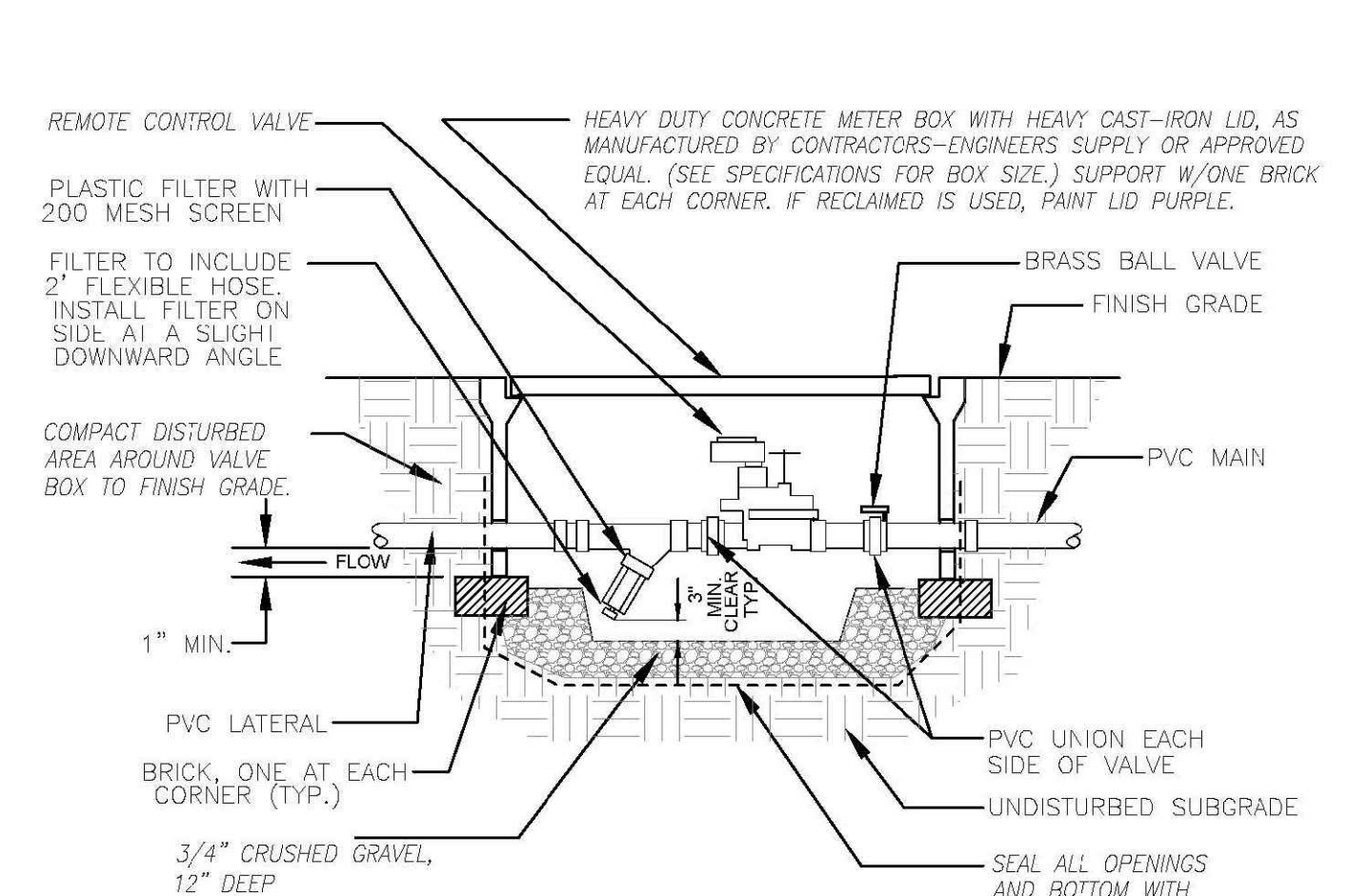
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- NOTE:**
1. CAP SLEEVES UNTIL USE.
 2. MULTIPLE SLEEVES REQUIRE 4" SEPARATION WITHIN SAME SLEEVE TRENCH.
 3. IRRIGATION PIPE AND WIRE SHALL NOT SHARE THE SAME SLEEVE.
 4. MARK / STAMP - IS (IRRIGATION SLEEVE) AND/OR PLACARD AT BACK OF CURB.

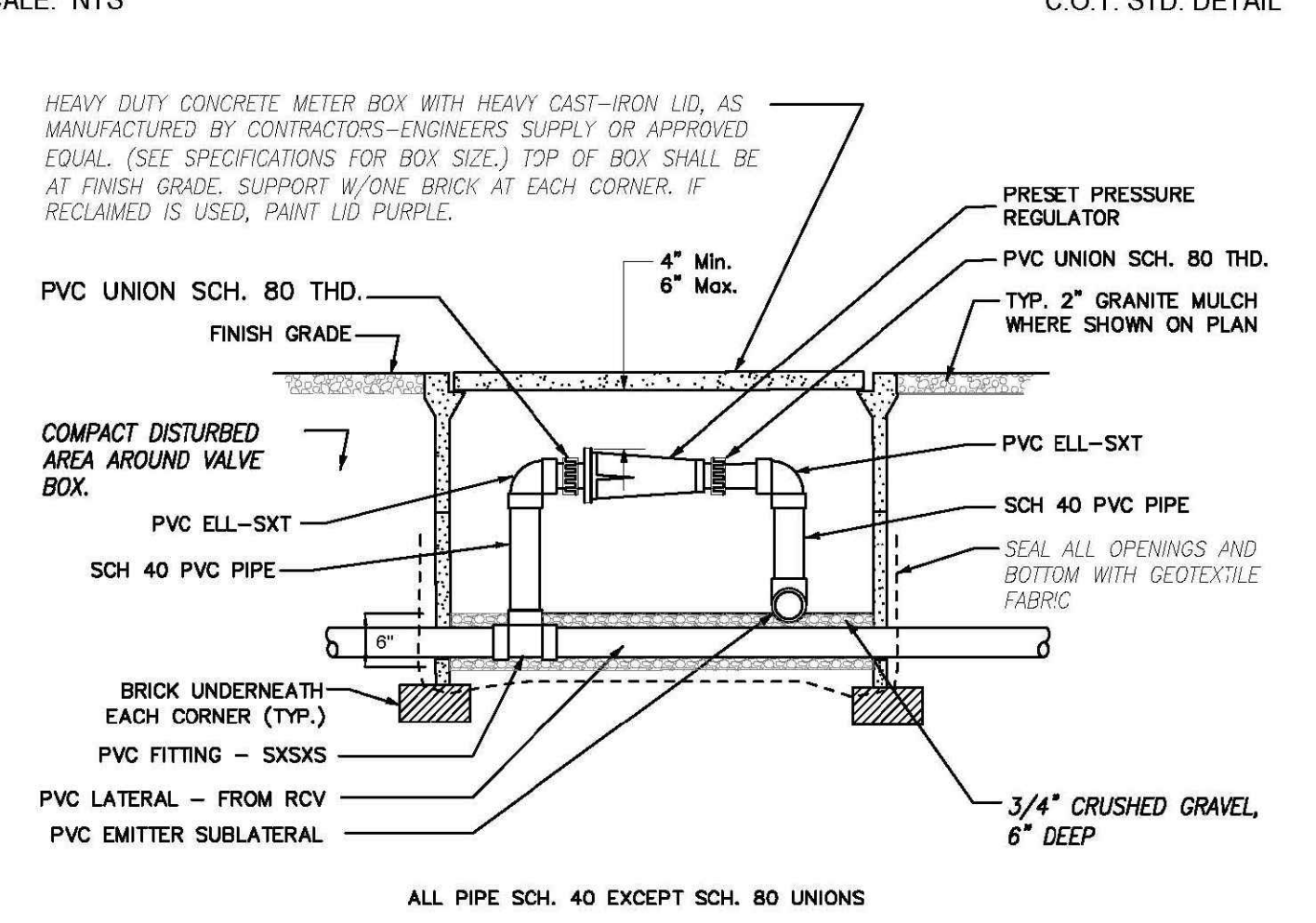
9 IRRIGATION SLEEVE

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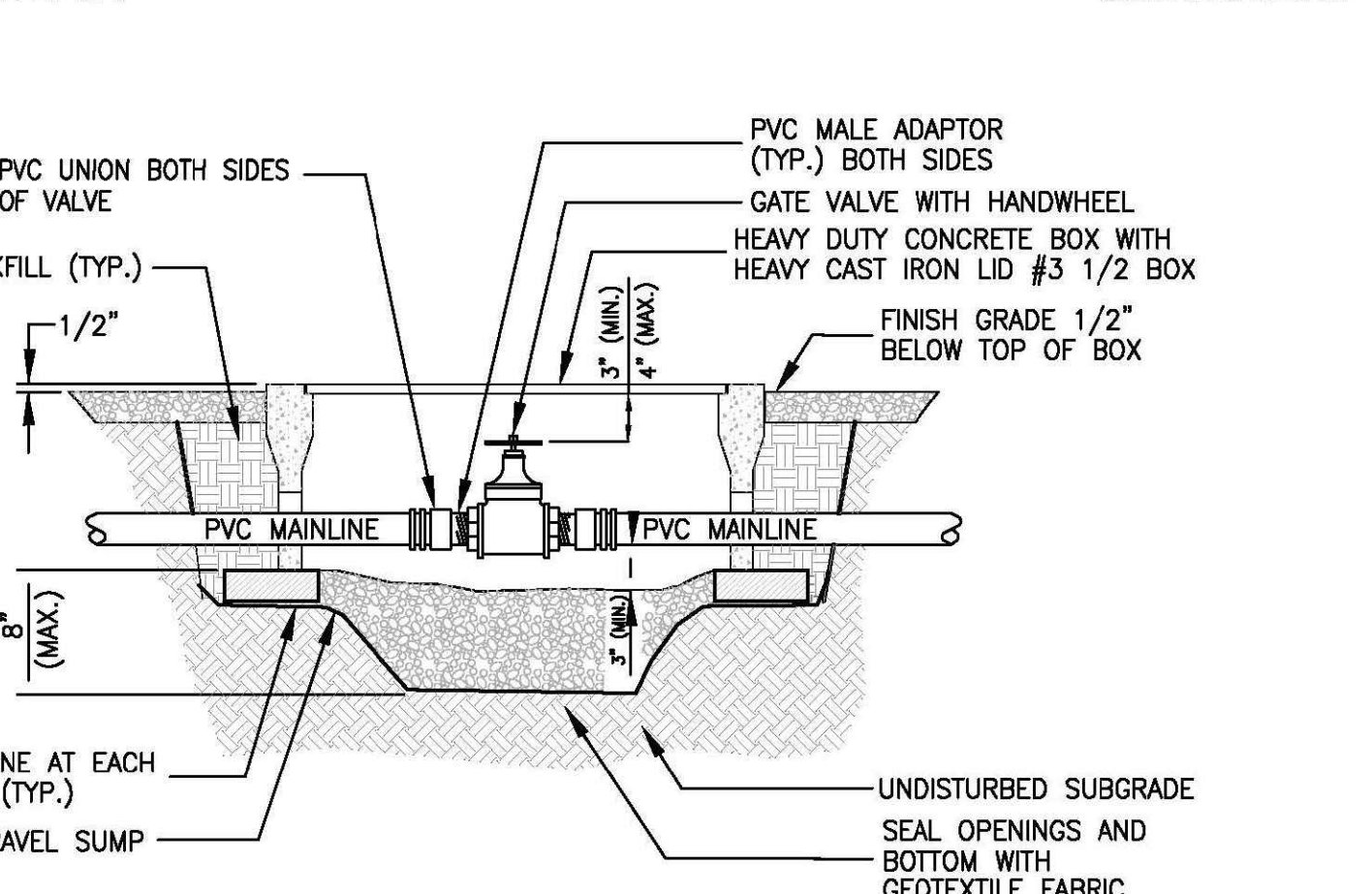
10 REMOTE CONTROL VALVE AND FILTER ASSEMBLY

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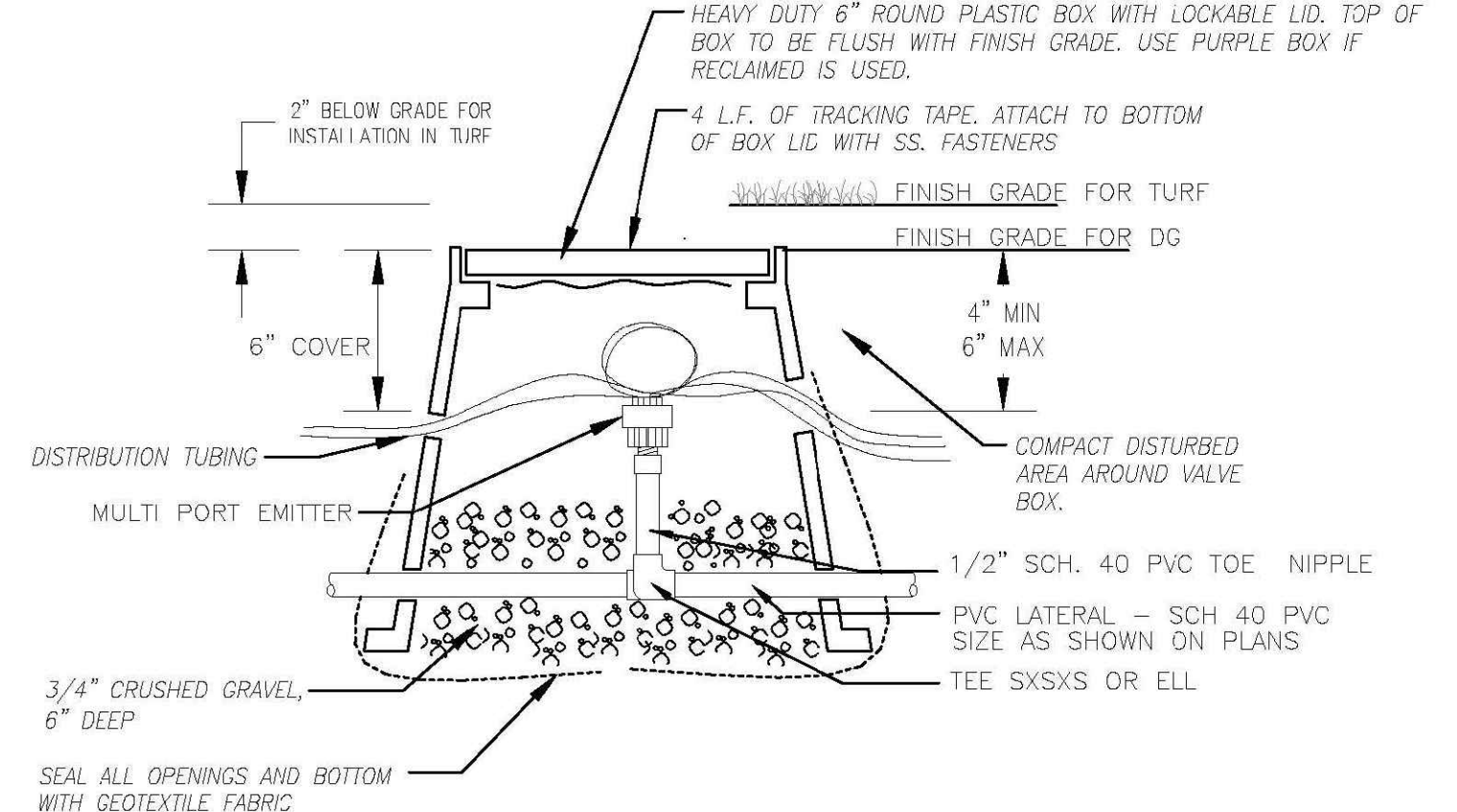
11 PRESSURE REGULATOR RISER

SCALE: NTS



12 GATE (ISOLATION) VALVE

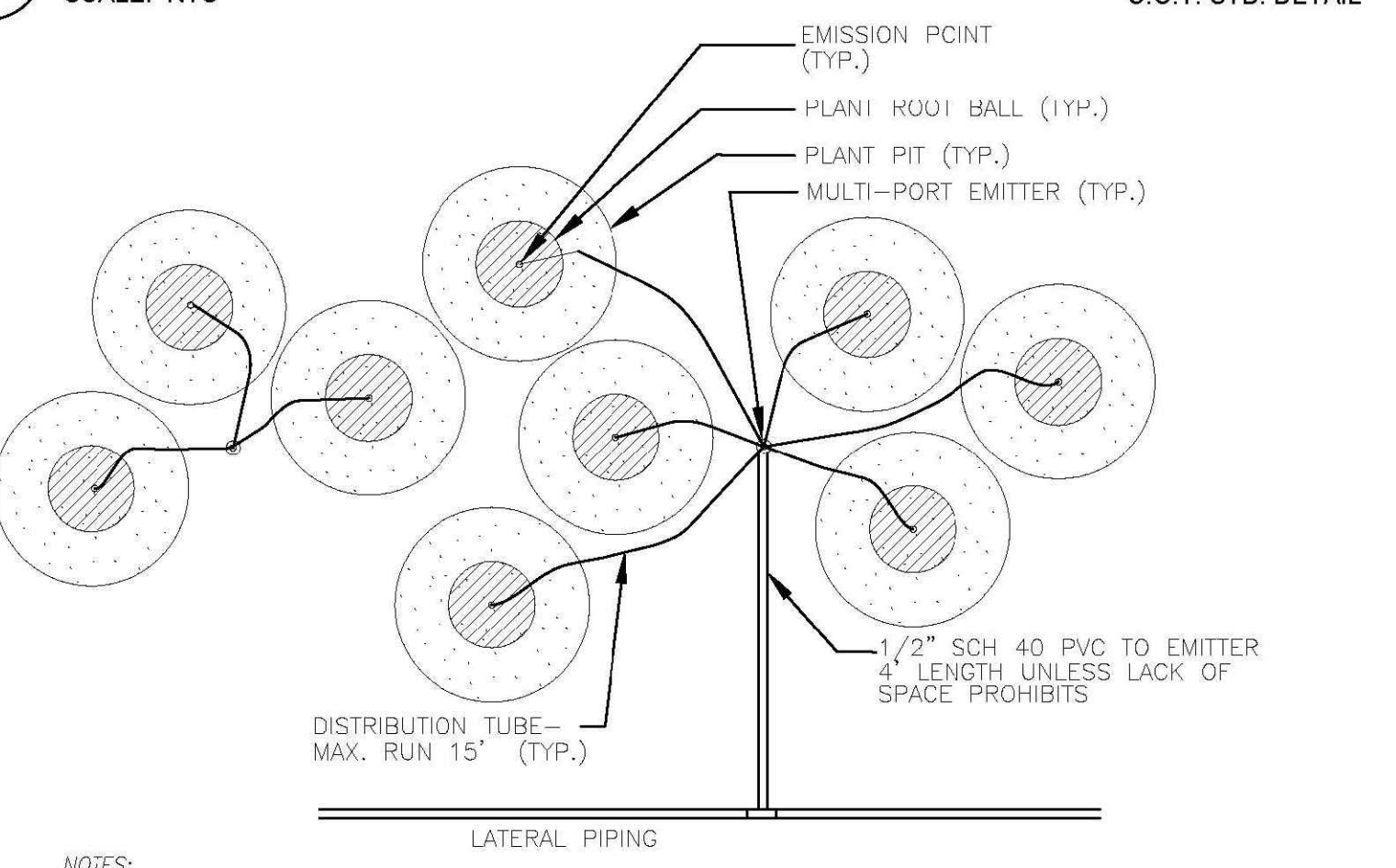
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- NOTES:**
1. COIL DISTRIBUTION TUBING LOOSELY AROUND RISER ONE TIME BEFORE EXITING BOX
 2. 1/2" PVC PIPING BETWEEN EMITTER AND EMITTER LATERAL IS NOT SHOWN ON PLAN. PROVIDE AS REQ'D. UP TO (6) EMITTERS MAY SHARE EACH 1/2" LATERAL EXTENSION.
 3. INSTALL BOX 2" BELOW GRADE FOR INSTALLATION IN TURF
 4. ALL PIPE TO BE SCH. 40 PVC

13 MULTI - OUTLET EMITTER ASSEMBLY

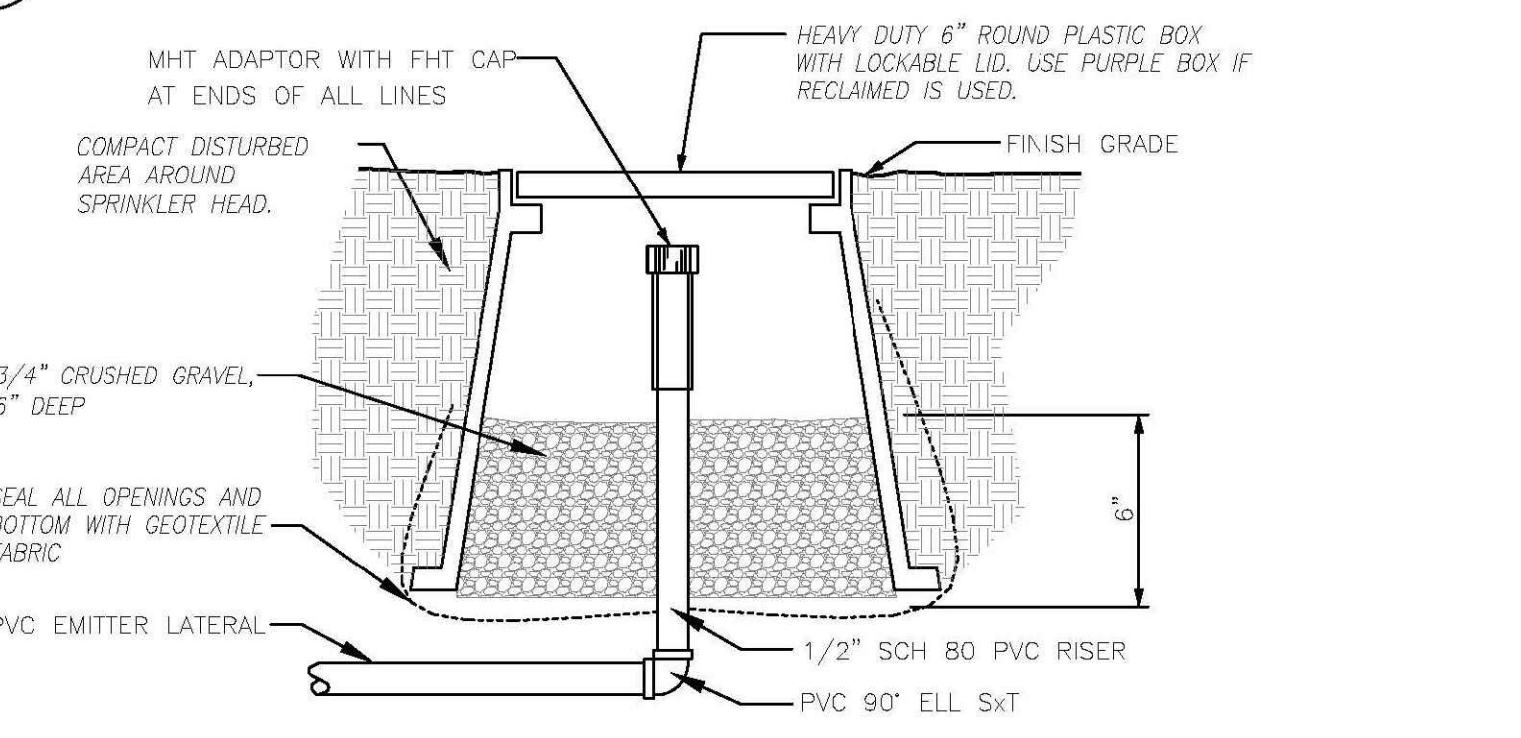
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- NOTES:**
1. MORE THAN ONE SHRUB MAY BE WATERED FROM A SINGLE MULTI-PORT EMITTER. MAXIMUM LENGTH OF ONE DISTRIBUTION TUBE SHALL BE 15'
 2. IF ONLY ONE DISTRIBUTION TUBE PER PLANT IS REQUIRED, PER SHRUB IS REQUIRED.
 3. PLACE EMISSION POINT ON TOP OF ROOT BALL OR UPHILL OF PLANT. IF MORE THAN ONE DISTRIBUTION TUBE PER SHRUB IS REQUIRED, PLACE EMISSION POINTS EVENLY WITHIN PLANT PIT.

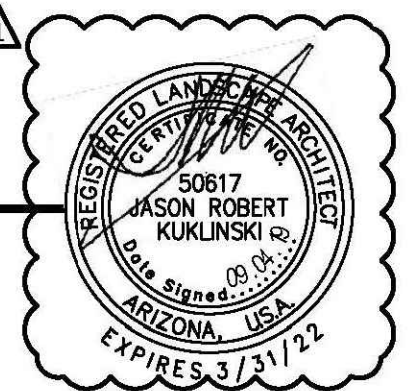
14 EMITTER LOCATION - SHRUBS

SCALE: NTS



15 LATERAL END CAP

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418 North Toole Avenue
Tucson, AZ 85701
P 520.622.9565
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MARUM & ASSOCIATES ENGINEERING, LLC
2730 E Broadway Blvd., Ste. 250
Tucson, AZ 85716
PHONE: (520) 448-4440

DEPARTMENT OF TRANSPORTATION/ENGINEERING DIVISION

36TH STREET
PARK AVENUE TO KINO PARKWAY

Approvals	Signatory	Date	Approved	20	25

TRANSPORTATION DIRECTOR

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